

संस्थानेव जयते GOVERNMENT OF INDIA NISTRY OF SKILL DEVELOPMENT



QUALIFICATIONS PACK- OCCUPATIONAL STANDARDS FOR PLASTICS INDUSTRY

What are Occupational Standards (OS)?

OS describe what individuals need to do, know and understand in order to carry out a particular job role or function

OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

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Introduction

Qualifications Pack- Plastics Mould Manufacturing Assistant

SECTOR: RUBBER

SUB SECTOR: MANUFACTURING/ PLASTICS PROCESSING

OCCUPATION: PLASTICS MOULD MANUFACTURING

REFERENCE ID: RSC/Q4702 (CPC/Q5703)

ALIGNED TO:

Brief Job Description:

The individual work will be assists in Making the Mould Parts, Mould assembly & Mould Trails. The individual will capable to operation of the Machine Tools like Lathe, Milling, Shaper, Surface Grinder, Cylindrical Grinder to produce good quality Mould Parts, he also capable to operate the EDM Machine to produce mould cavity.

Personal Attributes:

This job requires the basic communication, basic numerical & computational abilities for the individuals to work under close supervion. The assistant mould maker is expected to be able to work in a factory environment and have the ability to work in standing position for long hours.







Qualifications Pack for Plastic Mould Manufacturing Assistant

| Qualifications Pack Code | RSC/Q4702 (CPC/Q5703) | | |
|--------------------------|--|------------------|------------|
| Job Role | Plastic Mould Manufacturing Assistant | | |
| Credits (NSQF) | 24 | Version number | 1.0 |
| Sector | Rubber | Drafted on | 18/05/2016 |
| Sub Sector | Manufacturing / Plastics Processing | Last reviewed on | 26/12/2016 |
| Occupation | Plastics Mould Manufacturing | Next review date | 31/12/2021 |
| NSQC Clearance on | 21/07/2016 | | |

| Job Role | Plastic Mould Manufacturing Assistant | |
|---|--|--|
| Role Description | Assist the Head Mould Maker in terms of Making the Moulds Parts by operating the Conventional Machine Tools like Lathe, Milling, Shaper, Grinder & EDM .He will assist the CNC Programmer & Operator by operating the CNC Lathe & Milling Machine. He will assist the Mould Maker in Polishing & Assembly Work of Mould. | |
| NSQF level | 3 | |
| Minimum Educational Qualifications* | VIII th Standard | |
| Maximum Educational Qualifications* | N.A. | |
| Training (Suggested but not mandatory) | No previous training required | |
| Minimum Job Entry Age | 18 | |
| Experience | No previous experience required | |
| Applicable National Occupational Standards (NOS) | Compulsory: RSC/N4101 (CPC/N0411) To maintain basic healthy and safety work practices at workplace, 5s RSC/N4701 (CPC/N5702): To understand basic concepts of Engineering drawing & Can able to study the Job Drawing/ Blue Print & Dimensional Tolerances job RSC/N4702 (CPC/N5703): Assist in performing the Mould making Process by use of different types of Hand tools RSC/N4703 (CPC/N5704): Study Types of Mould and its function RSC/N4705 (CPC/N5705):To Study about mould polishing and mould assembly RSC/N4203 (CPC/N7014) Effective working with others | |
| Performance Criteria | As described in the relevant OS units | |







Qualifications Pack for Plastic Mould Manufacturing Assistant

| Keywords /Terms | Description |
|-------------------------|--|
| Core | Core Skills or Generic Skills are a group of skills that are key to learning and |
| Skills/Generic | working in today's world. These skills are typically needed in any work |
| Skills | environment. In the context of the OS, these include communication |
| | related skills that are applicable to most job roles. |
| Description | Description gives a short summary of the unit content. This would be |
| | helpful to anyone searching on a database to verify that this is the |
| | appropriate OS they are looking for. |
| Function | Function is an activity necessary for achieving the key purpose of the |
| T direction | sector, occupation, or area of work, which can be carried out by a person |
| | |
| | or a group of persons. Functions are identified through functional analysis |
| | and form the basis of OS. |
| Job role | Job role defines a unique set of functions that together form a unique |
| | employment opportunity in an organization. |
| Knowledge | Knowledge and Understanding are statements which together specify the |
| and | technical, generic, professional and organizational specific knowledge that |
| Understanding | an individual needs in order to perform to the required standard. |
| Occupational | OS are Occupational Standards which apply uniquely in the Indian context |
| Standards (OS) | |
| Occupation | Occupation is a set of job roles, which perform similar/related set of |
| | functions in an industry. |
| | |
| Organizational Context | Organizational Context includes the way the organization is structured and |
| | how it operates, including the extent of operative knowledge managers |
| | have of their relevant areas of responsibility. |
| Performance Criteria | Performance Criteria are statements that together specify the standard of |
| | performance required when carrying out a task. |
| Qualifications Pack(QP) | Qualifications Pack comprises the set of NOS, together with the |
| | educational, training and other criteria required to perform a job role. A |
| | Qualifications Pack is assigned a unique qualification pack code. |
| Qualifications | Qualifications Pack Code is a unique reference code that identifies a |
| Pack Code | qualifications pack. |
| Scope | Scope is the set of statements specifying the range of variables that an |
| | individual may have to deal with in carrying out the function which have a |
| | critical impact on the quality of performance required. |
| Sector | Sector is a conglomeration of different business operations having similar |
| | businesses and interests. It may also be defined as a distinct subset of the |
| | economy whose components share similar characteristics and interests. |
| Sub-Sector | Sub-sector is derived from a further breakdown based on the |
| | characteristics and interests of its components. |
| Sub-functions | Sub-functions are sub-activities essential to fulfil the achieving the |
| | objectives of the function. |
| Technical Knowledge | Technical Knowledge is the specific knowledge needed to accomplish |
| | specific designated responsibilities. |
| Unit Code | Unit Code is a unique identifier for a OS unit, which can be denoted with an |
| | 'N' |
| Unit Title | Unit Title gives a clear overall statement about what the incumbent should |
| | be able to do. |
| Vertical | Vertical may exist within a sub-sector representing different domain areas |
| Vertical | or the client industries served by the industry. |
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Qualifications Pack for Plastic Mould Manufacturing Assistant

| Keywords /Terms | Description |
|-----------------|--|
| OS | Occupational Standard(s) |
| NVEQF | National Vocational Education Qualifications Framework |
| NVQF | National Vocational Qualifications Framework |
| NSQF | National Skills Qualifications Framework |
| OEM | Original Equipment Manufacturer |
| OS | Occupational Standard(s) |
| QP | Qualifications Pack |











Overview

This unit Covers health, safety and security at the work place. This includes procedures and practices that candidates need to follow to help maintain a healthy, safe and secure work environment.









| Uni | it Code | RSC/N4101 (CPC/N0411) | | |
|------------|---|---|--|--|
| Uni (Ta | it Title sk) | Maintain basic health and safety practices at the workplace, 5S | | |
| (Ta Des | scription | This OS unit is about knowledge and practices relating to health, safety and security that candidates need to use in the workplace. It covers responsibilities towards self, others, assets and the environment. It includes understanding of risks & hazards in the workplace, along with common techniques to minimize risk, deal with accidents, emergencies etc. It covers knowledge of fire safety, common first aid applications and safe practice. This OS is about ensuring all 5S activities both at the shop floor and the office area to facilitate increase in work productivity. | | |
| Sco | pe | The role holder will be responsible for Health and safety procedure. Fire safety procedure. Emergencies, rescue and first aid procedures. Ensure sorting, stream lining, storage and documentation, cleaning, standardization and sustenance across the plant premises of the organization. | | |
| Per | rformance Criteria (P | PC) w.r.t. the Scope | | |
| Ele | ment | Performance Criteria | | |
| He | ealth and safety | The individual on the job should ensure to: PC1. Wear protective clothing/equipment for specific tasks and work conditions PC2. Carry out safe working practices while dealing with hazards to ensure the safety of Self and others. PC3. Ensure good housekeeping practices at all times | | |
| Fire | e safety | The individual on the job should be able to: | | |
| | | PC4. Use the various appropriate fire extinguishers on different types of fires correctly PC5. Demonstrate rescue techniques applied during fire hazard, demonstrate good housekeeping in order to prevent fire hazards, demonstrate the correct use of a fire extinguisher. | | |
| and | ergencies, rescue d first aid ocedures. | PC6. Identify activities which can cause potential injury through sharp objects, burns, fall, electricity, gas leakages, radiation, poisonous fumes, chemicals, loud noise, and Identify areas in the plant which are potentially hazardous / unhygienic in nature. Conduct regular checks with support of the maintenance team on machine health to identify potential hazards due to wear and tear of machine. PC7. Inform the concerned authorities on the potential risks identified in the processes, workplace area/ layout, materials used etc, Inform the concerned authorities about machine breakdowns, damages which can potentially harm man/ machine during operations. PC8. Create awareness amongst others by sharing information on the identified risks. | | |









| Ensure sorting, stream lining, storage and documentation, cleaning, standardization and sustenance across the plant premises of the organization. | PC9. Follow the sorting process and check that the tools, fixtures & jigs that are lying on workstations are the ones in use and un- necessary items are not cluttering the workbenches or work surfaces. PC10. Ensure segregation of waste in hazardous/ non Hazardous waste as per the sorting work instructions PC11. Follow the technique of waste disposal and waste storage in the proper bins as per SOP PC12. Segregate the items which are labeled as red tag items for the process area and keep them in the correct places PC13. Sort the tools/ equipment/ fasteners/ spare parts as per specifications/ utility into proper trays, cabinets, lockers as mentioned in the 5S guidelines/ work instructions PC14. Ensure that areas of material storage are not overflowing PC15. Ensure properly stack the various types of boxes and containers as per the size/ utility to avoid any fall of items/ breakage and also enable easy sorting when required PC16. Return of extra material and tools to the designated sections and make sure that no additional material/ tool is lying near the work area PC17. Follow the floor markings/ area markings used for demarcating the various sections in the plant per the prescribed instructions and standards PC19. Ensure to check the items in the respective areas have been identified as broken or damaged PC20. Follow the given instructions and check for labelling of fluids, oils, lubricants, solvents, chemicals etc. and proper storage of the same to avoid spillage, leakage, fire etc. PC21. To make sure that all material and tools are stored in the designated places and in the manner indicated in the 5S instructions |
|--|---|
| Knowledge and Unders | tanding (K) |
| A. Organizational Context (Knowledge of the company / organization and its processes) | The user/individual on the job needs to know and understand: KA1. The relevant standards, procedures and policies related to Health, Safety and Environment followed in the company KA2. The emergency handling procedures & hierarchy for escalation |
| B. Technical Knowledge | The user/individual on the job needs to know and understand: KB1. The basic knowledge of Safety procedures (fire fighting, first aid) within the organization KB2. The basic knowledge of various types of PPEs and their usage KB3. The basic knowledge of risks/hazards associated with each occupation in the organization KB4. The knowledge of personal hygiene and how an individual contribute towards creating a highly safe and clean working environment the individual on the job needs to know and understand. |









| KB5. The meaning of "hazards" and "risks" KB6 The health and safety hazards commonly present in the work environment a related precautions KB7. The possible causes of risk, hazard or accident in the workplace and why n and/or accidents are possible KB8. The Possible causes of risk and accident (due to oil leakage) KB9. Methods of accident prevention KB9. Safe working practices when working with tools and machines KB10. Safe working practices while working at various hazardous sites |
|--|
| related precautions KB7. The possible causes of risk, hazard or accident in the workplace and why n and/or accidents are possible KB8. The Possible causes of risk and accident (due to oil leakage) KB9. Methods of accident prevention KB9. Safe working practices when working with tools and machines |
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| KB8.The Possible causes of risk and accident (due to oil leakage)KB9.Methods of accident preventionKB9.Safe working practices when working with tools and machines |
| KB9. Methods of accident preventionKB9. Safe working practices when working with tools and machines |
| KB9. Safe working practices when working with tools and machines |
| |
| |
| KB11. To know the where to find all the general health and safety equipment in |
| workplace |
| KB12. Various dangers associated with the use of electrical equipment |
| KB13. Preventative and remedial actions to be taken in the case of exposure to to |
| materials |
| KB14. The Importance of using protective clothing/equipment while working |
| KB15. Precautionary activities to prevent the fire accident |
| KB16. Various causes of fire |
| KB17. To know the techniques of using the different fire extinguishers |
| KB18. To know the different methods of extinguishing fire |
| KB19. To know the different materials used for extinguishing fire |
| KB20. Rescue techniques applied during a fire hazard |
| KB21. Various types of safety signs and what they mean |
| KB22. To know the appropriate basic first aid treatment relevant to the condit |
| e.g. shock, electrical shock, bleeding, breaks to bones, minor bur |
| resuscitation, poisoning, eye injuries |
| KB23. To know the content of written accident report |
| KB24. Potential injuries and ill health associated with incorrect manual handing |
| KB25. Safe lifting and carrying practices KB26. Personal safety, health and dignity issues relating to the movement o |
| person by others |
| KB27. Potential impact to a person who is moved incorrectly |
| KB28. To have basic knowledge of 5S procedures |
| KB29. To know the various types 5s practices followed in various areas |
| KB30. Understand to the 5S checklists provided in the department/ team |
| KB31. To have skills to identify useful & non useful items |
| KB32. To have knowledge of labels , signs & colours used as indicators |
| KB33. To have knowledge on how to sort and store various types of to |
| equipment, material etc. |
| KB34. To know , how to identify various types of waste products |
| KB35. Understand to the impact of waste/ dirt/ dust/unwanted substances on the impact of waste/ dust/unwanted substances on the impact of waste/ dust/unwanted substances on the impact of waste/ dust/unwanted substances on the impac |
| process/ environment/ machinery/ human body. |
| KB36. To have knowledge of best ways of cleaning & waste disposal |
| |
| Skills (S) [Optional] |
| Element Skills |
| A. Core Skills/ Writing Skills |
| Generic Skills The user/ individual on the job needs to know and understand how to: |
| SA1. Understand basic level notes and observations. |







| | Reading Skills | | |
|------------------------|--|--|--|
| | The user/individual on the job needs to know and understand about the: | | |
| | SA2. safety instructions put up across the plant premises | | |
| | SA3. Safety precautions mentioned in equipment manuals and panels and | | |
| | understand the potential risks associated | | |
| | Oral Communication (Listening and Speaking skills) | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SA4. Effectively communicate information to team members | | |
| | SA5. Inform employees in the plant and concerned functions about events, | | |
| | Incidents & potential risks observed related to Safety, Health and | | |
| | Environment. | | |
| | SA6. Question operator/ supervisor in order to understand the safety related | | |
| | issues | | |
| | SA7. Attentively listen with full attention and comprehend the information given | | |
| | by the speaker during safety drills and training programs | | |
| B. Professional Skills | Plan and Organize | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SB1. Process the work order and jobs received from the internal customers. | | |
| | SB2. Design documents received from internal customers | | |
| | SB3. Understand & organize all process/ equipment manuals so that sorting out | | |
| | information is fast. | | |
| | Judgment and Critical Thinking | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SB4. Use common sense and make judgments during day to day basis | | |
| | SB5. Use intuition to detect any potential problems which could arise during | | |
| | operations | | |
| | Desire to learn and take initiatives | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SB6. Follow instructions and work on areas of improvement identified | | |
| | SB7. Complete the assigned tasks with minimum supervision | | |
| | SB8. Complete the job defined by the supervisor within the timelines and quality | | |
| | norms | | |









NOS Version Control

| NOS Code | RSC/N4101 (CPC/N0411) | | |
|----------------|--|------------------|------------|
| Credits (NSQF) | 1.5 | Version number | 1.0 |
| Sector | Rubber | Drafted on | 18/05/2016 |
| Sub Sector | Manufacturing / Plastics Processing | Last reviewed on | 26/12/2016 |
| Occupation | Plastics Mould Manufacturing | Next review date | 31/12/2021 |













Overview

This unit is about Understand basic concepts of Engineering drawing & Can able to study the Job drawing/ Blue Print & Dimensional Tolerances job requirements & basics knowledge related to Mould Making process









| Unit Code | RSC/N4701 (CPC/N5702) | | |
|-----------------------|---|--|--|
| Unit Title | To understand basic concepts of Engineering drawing & Can able to study the | | |
| (Task) | Job Drawing/ Blue Print & Dimensional Tolerances job | | |
| Description | This OS unit is about understanding the engineering Drawing, Standards. | | |
| | Reading of Mould Assembly Drawings & Detail's Drawings of Mould Parts | | |
| Scope | This unit/ task covers the following: | | |
| | Understanding the Drawing required for mould making | | |
| | Reading of Dimensional tolerances | | |
| | Study of Bill of Materials | | |
| Performance Criteria | | | |
| Element | Performance Criteria | | |
| Understand the | To be competent, the user/individual on the job must be able to | | |
| work and the | PC1 Interact with the head mould maker & follow the mould drawing | | |
| Operation | PC2 Help in planning the day's Mould making activities based on the Drawing | | |
| requirements from | PC3 Ensure availability of Tools and Raw materials for production in sufficient | | |
| Mould Making | quantity as per production plan/operators instructions. | | |
| point of View. | PC4 Clearly understand the Drawing, Dimension & Tolerances of the individual | | |
| | part before making it. | | |
| | PC5 Follow the Assembly Drawing & Detail Drawing of Mould / Mould Parts. | | |
| Help in arrange | PC6 Ensure that the required raw material/Tools is procured from the | | |
| for the material | store/Tool Crib before starting the work | | |
| ,Tools to be | PC7 Ensure the Tools required to execute the Mould Making Process and | | |
| Used for Mould | ensure that the same is available in shop floor | | |
| Making | PC8 If tool is not available collect the tools from tool crib. | | |
| Ŭ | | | |
| Check materials and | PC9 Ensure the raw material like steel material for different mould parts from | | |
| apparatus for | the drawing | | |
| Operations | | | |
| Knowledge and Under | standing (K) | | |
| B. Organizational | The user/individual on the job needs to know and understand: | | |
| Context | KA1. Company's code of conduct | | |
| (Knowledge of the | KA2. Different types of products manufactured by the company | | |
| company / | KA3. Functional processes like Procurement, Store management, inventory | | |
| organization and | management, quality management, incentives, personnel management | | |
| its processes) | KA4. Importance of individual's role in the work flow | | |
| | KA5. Organization culture | | |
| | KA6. Company's reporting structure | | |
| | KA7. Company's documentation policy | | |
| Skills (S) [Optional] | | | |
| C. Core Skills/ | Reading and Writing Skills | | |
| Generic Skills | The user/ individual on the job needs to know and understand how to: | | |
| | SA1. How to be able to read Drawings, instructions and other text material on | | |
| | product labels, Mould Drawing etc | | |
| | Oral Communication (Listening and Speaking skills) | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SA2. Discuss task lists, schedules, and work-loads with co-workers | | |
| | SA3. Question internal customers/ Shop floor operator appropriately in order | | |
| | to understand the nature of the problem and make a diagnosis | | |









| | CAA Avoid using jorgon clong or peronyme when communicating with an | | |
|------------------------|---|--|--|
| | SA4. Avoid using jargon, slang or acronyms when communicating with an | | |
| | operator / fellow subordinates etc. Unless it is required. | | |
| D. Professional Skills | Decision Making and Problem solving | | |
| | Detect problems in day to day tasks: | | |
| | SB1. Support operator in using specific problem solving techniques and | | |
| | detailing out the problems | | |
| | SB2. Discuss possible solution with the operator for problem solving. | | |
| | Plan and Organize | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SB3. Plan and organize the work order and jobs received from the internal | | |
| | customers / operator. | | |
| | SB4. Organize all process / equipment manuals so that sorting out | | |
| | Desire to learn and take initiatives | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SB5. Follow instructions and work on areas of improvement identified | | |
| | SB6. Complete the assigned tasks with minimum supervision | | |
| | SB7. Complete the job defined by the perator within the timelines and | | |
| | quality. | | |
| | Judgments and Critical Thinking | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SB8. Use common sense and make judgments during day to day basis | | |
| | SB9. Use basic reasoning skills to identify and resolve basic problems | | |
| | SB10. Use intuition to detect any potential problems which could arise | | |
| | during operations. | | |
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| | the second se | | |









NOS Version Control

| NOS Code | RSC/N4701 (CPC/N5702) | | |
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RSC/N4702 (CPC/N5703): Assist in performing the Mould making Process by use of different types of Hand tools



Overview

This unit is about to accure the skill for use of different types of hand tools & Measuring instruments







RSC/N4702 (CPC/N5703): Assist in performing the Mould making Process by use of different types of Hand

| | tools | | |
|---------------------------|---|--|--|
| Unit Code | RSC/N4702 (CPC/N5703) | | |
| Unit Title | Assist in performing the Mould making Process by use of different types of | | |
| (Task) | Hand tools | | |
| Description | This OS unit is about assisting in producing good quality mold Parts & | | |
| | assembled Mould in line with the required specifications | | |
| Scope | The Mould Maker assistant will be responsible for | | |
| | Assist in Making the Mould Parts using Hand tools | | |
| | Use of handling different measuring instruments | | |
| | Assisting in Assembly of Mould using hand tool & Polishing tools | | |
| Performance (PC) w.r.t. t | | | |
| Element | Performance Criteria | | |
| USE Of Hand Tools, | To be competent, the user/individual on the job must be able to | | |
| Measuring Instruments | PC1. Perform Handling & Using of Different Hand tools | | |
| & Assembly Tools | PC2. Hands on Skill & Accuring Practices on measurement of Mould Parts | | |
| | PC3. Select Different tools for particular job | | |
| | PC4. Perform to handle the vernier Caliper, Micrometer etc. | | |
| | PC5. Can able to set job on different types of vices. | | |
| | | | |
| | | | |
| Knowledge and Understa | nding (K) | | |
| A. Organizational | The user/individual on the job needs to know and understand: | | |
| Context (Knowledge | KA1. Department's code of conduct | | |
| of the company / | KA2. Different types machines in the company, its specifications etc. | | |
| organization and its | A3. Department documentation policy | | |
| processes) | | | |
| B. Technical | The user/individual on the job needs to know and understand: | | |
| Knowledge | KB1. General principles of moulding Making operations, Operation of | | |
| _ | Conventional & CNC Machines, Assembly of Mould etc. | | |
| | KB2. Trail of the Mould | | |
| Skills (S) [Optional] | | | |
| A. Core Skills/ Generic | Reading and Writing Skills | | |
| Skills | The user/ individual on the job needs to know and understand how to: | | |
| | SA1. Read instructions especially safety instructions especially symbols | | |
| | while using the equipment in the plant area | | |
| | | | |
| | SA2. Note measurements, equipment panel readings for various process | | |
| | SA2. Note measurements, equipment panel readings for various process parameters in the required reporting formats | | |
| | | | |
| | parameters in the required reporting formats | | |
| | parameters in the required reporting formats SA3. how to visualize final product output and hence decide on the key | | |
| | parameters in the required reporting formats SA3. how to visualize final product output and hence decide on the key steps to be followed | | |
| | parameters in the required reporting formats SA3. how to visualize final product output and hence decide on the key steps to be followed SA4. Safety precautions to be taken for entire Mould Making process | | |
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| | parameters in the required reporting formats SA3. how to visualize final product output and hence decide on the key steps to be followed SA4. Safety precautions to be taken for entire Mould Making process Oral Communication (Listening and Speaking skills) The user/individual on the job needs to know and understand how SA6. Discuss task lists, schedules, and work-loads with co- workers/operator | | |
| B. Professional Skills | parameters in the required reporting formats SA3. how to visualize final product output and hence decide on the key steps to be followed SA4. Safety precautions to be taken for entire Mould Making process Oral Communication (Listening and Speaking skills) The user/individual on the job needs to know and understand how SA6. Discuss task lists, schedules, and work-loads with co- workers/operator SA7. Question internal customers / Mould shop operator appropriately in | | |
| B. Professional Skills | parameters in the required reporting formats SA3. how to visualize final product output and hence decide on the key steps to be followed SA4. Safety precautions to be taken for entire Mould Making process Oral Communication (Listening and Speaking skills) The user/individual on the job needs to know and understand how SA6. Discuss task lists, schedules, and work-loads with coworkers/operator SA7. Question internal customers / Mould shop operator appropriately in order to understand the nature of the problem and make a diagnosis | | |









RSC/N4702 (CPC/N5703): Assist in performing the Mould making Process by use of different types of Hand tools

| | tools |
|--|--|
| SB2. | Support operator in using specific problem solving techniques and |
| | detailing out the problems |
| SB3. | Discuss possible solution with the operator for problem solving |
| SB4. | Make decisions in emergency conditions in case the operator is not |
| | available (as per the authority matrix defined by the organization) |
| Plan | and Organize |
| The u | iser/individual on the job needs to know and understand how to: |
| SB5. | The user/individual on the job needs to know and understand how to: |
| SB6. | Organize all process/ equipment manuals so that sorting ou information is Fast |
| SB7. | Organize apparatus etc. in an orderly manner at proper designated areas |
| SB8. | How to visualize final product output and hence decide on the key steps to be followed. |
| Desir | e to learn and take initiatives |
| The | user/individual on the job needs to know and understand how to: |
| SB12 | |
| SB13 | |
| SB14 | |
| | Quality |
| Analy | /tical Thinking |
| | iser/individual on the job needs to know and understand how to: |
| | . Visualize the final job product after understanding the given standar |
| 3613 | |
| CD10 | product. |
| SBIC | Finalize the optimum levels of physical parameters with operato guidance so that the job output meets the prescribed job standards |
| | |
| | |
| and the second sec | |
| | |









RSC/N4702 (CPC/N5703): Assist in performing the Mould making Process by use of different types of Hand tools

NOS Version Control

| NOS Code | RSC/N4702 (CPC/N5703) | | |
|----------------|--|------------------|------------|
| Credits (NSQF) | 5 | Version number | 1.0 |
| Sector | Rubber | Drafted on | 18/05/2016 |
| Sub Sector | Manufacturing / Plastics Processing | Last reviewed on | 26/12/2016 |
| Occupation | Plastics Mould Manufacturing | Next review date | 31/12/2021 |











RSC/N4703 (CPC/N5704): To Study about types of moulds and its function



Overview

Study about Types of Plastics Mould.



National Occupational Standards





RSC/N4703 (CPC/N5704): To Study about types of moulds and its function

| Unit Code | RSC/N4703 (CPC/N5704) |
|-------------------------|--|
| Unit Title (Task) | To Study about types of moulds and its function |
| Description | This OS unit is about study of different types of Mould & Their Design Aspects |
| Scope | The Mould Maker assistant will be responsible for |
| | checking the finished Parts |
| | conducting minor repair/Replacing if any on output parts |
| Performance Criteria | |
| Element | Performance Criteria |
| Study of Assembled | To be competent, the user/individual on the job must be able to |
| Mould & Mould | PC1. Study about two plate injection mould & three plate injection mould |
| Design | |
| Study Of Mould | PC2. Study about mould feed system, types of gate |
| feed System & | PC3. Study about different types of cooling system |
| Cooling System | |
| Study of Mould | PC4. Study about different ejection system of mould. |
| Ejection System | The state of the s |
| Knowledge and Unders | standing (K) |
| A. Organizational | The user/individual on the job needs to know apd understand: |
| Context (Knowledge | KA1. Relevant standards specified for the manufacturing process |
| of the company / | KA2. Basic process followed for inspection of the lot. |
| organization and | KA3. Quality Management policy of the organization. |
| its processes) | |
| B. Technical | The user/individual on the job needs to know and understand: |
| Knowledge | KB1. Processes and procedures followed for manufacturing the lot/ pieces/ |
| | products. |
| | KB2. Techniques of using measurement instruments like rulers, weighing |
| | scales etc. |
| | KB3. Methods to identify quality defects in the lot. |
| | KB4. Impact of defects on the overall working of the Injection Moulding |
| | machine. |
| Skills (S) [Optional] | |
| A. Core Skills/ | Writing Skills |
| Generic Skills | The user/individual on the job needs to know and understand how to: |
| | SA1. Note the number of lot with defects which can be repaired to number |
| | of lot which will be discarded. |
| | Reading Skills |
| | The user/individual on the job needs to know and understand how to: |
| | SA2. Read process and equipment manuals, material data sheets etc. to |
| | understand the working of the equipment & material properties. |
| | Oral Communication (Listening and Speaking skills) |
| | The user/individual on the job needs to know and understand how to: |
| | SA3. Inform operator of any quality related defects arising out of the |
| | manufacturing process. SA4. Question internal customers/ operator appropriately in order to |
| | understand the nature of the problem and make a diagnosis. |
| B. Professional Skills | Plan and Organize |
| D. FIDICSSIDIIAI SKIIIS | The user/individual on the job needs to know and understand how to: |
| | SB1. Organize all process/ equipment manuals so that sorting/ accessing |
| | |
| | 20 |



National Occupational Standards





RSC/N4703 (CPC/N5704): To Study about types of moulds and its function

| information is easy. SB2. Keep fixtures, tools, drawings, Work Instructions, SOP manuals as per the part number, colour codes etc. as defined under the 5S systems. |
|---|
| Critical Thinking and Judgment |
| The user/individual on the job needs to know and understand how to: |
| SB4. Use common sense and make judgments during day to day basis use reasoning skills to identify and resolve basic problems |
| SB5. Carefully analyze each defect observed and try to find solution for the defect along with the operator. |
| Quality Consciousness |
| The user/individual on the job needs to know and understand how to: |
| SB6. Identify defective parts in the manufacturing line by comparing manufactured with the work standard. |
| SB7. Link the defect observed with the overall impact on the performance of the Mould). |











RSC/N4703 (CPC/N5704): To Study about types of moulds and its function

NOS Version Control

| NOS Code | RSC/N4703 (CPC/N5704) | | |
|----------------|--|------------------|------------|
| Credits (NSQF) | 6 | Version number | 1.0 |
| Sector | Rubber | Drafted on | 18/05/2016 |
| Sub Sector | Manufacturing / Plastics Processing | Last reviewed on | 26/12/2016 |
| Occupation | Plastics Mould Manufacturing | Next review date | 31/12/2021 |











RSC/N4705 (CPC/N5705): To Study about mould polishing and mould assembly

National Occupational Standards



Overview

Helping for Mould Polishing & Mould Assembly.









RSC/N4705 (CPC/N5705): To Study about mould polishing and mould assembly

| Unit Code | RSC/N4705 (CPC/N5705) | | |
|---------------------------|--|--|--|
| Unit Title (Task) | To Study about mould polishing and mould assembly | | |
| Description | This OS unit is about the accuring the required skill in polishing the mould as | | |
| | well as assembly the Mould | | |
| Scope | The role holder will be responsible for | | |
| | Assembly the Mould independently | | |
| | Polish mould parts | | |
| | To identify the difficulties while assembly | | |
| Performance Criteria (| | | |
| Element | Performance Criteria | | |
| Mould Polishing & | To be competent, the user/individual on the job must be able to | | |
| Assembly | PC1. Polish the core and cavity | | |
| | PC2. Polish the mating parts of mould | | |
| | PC3. Identify the mould parts | | |
| | PC4. Assemble the mould independently | | |
| | standing (K)w.r.t. the scope | | |
| Element | Knowledge and Understanding | | |
| A. Organizational | The user/individual on the job needs to know and understand: | | |
| Context (Knowledge | KA1. Relevant standards, procedures and policies related to Health, | | |
| of the company / | Safety and Environment followed in the company | | |
| organization and its | KA2. Emergency handling procedures & hierarchy for escalation | | |
| processes) | | | |
| B. Technical | The user/individual on the job needs to know and understand: | | |
| Knowledge | KB1. Basic knowledge of mould | | |
| | KB2. Basic knowledge of various techniques of polishing | | |
| | KB4. Knowledge of mould parts | | |
| | KB5. Knowledge of Mould assembly | | |
| Skills (S)w.r.t. the scop | | | |
| Element | Skills | | |
| A. Core Skills/ | Writing Skills | | |
| Generic Skills | The user/individual on the job needs to know and understand how to: | | |
| | SA1. Write basic level notes and observations | | |
| | Reading Skills | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SA2. Assembly the mould and what are the parts of mould | | |
| | SA3. Mould handling device | | |
| | Oral Communication (Listening and Speaking skills) | | |
| | The user/individual on the job needs to know and understand how to: | | |
| | SA4. Effectively communicate information to team members | | |
| | SA5. Inform employees in the plant and concerned functions about events, | | |
| | incidents & potential risks observed related to Safety, Health and Environment. | | |
| | | | |
| | SA6. Question operator/ supervisor in order to understand the safety related issues | | |
| | | | |
| | SA7. Attentively listen with full attention and comprehend the information given by the speaker during safety drills and training programs | | |
| B. Professional Skills | Judgmental Thinking | | |
| D. FIDIESSIUIIdi SKIIIS | The user/individual on the job needs to know and understand how to: | | |
| | SB1. Use common sense and make judgments during day to day basis | | |
| | 24 | | |







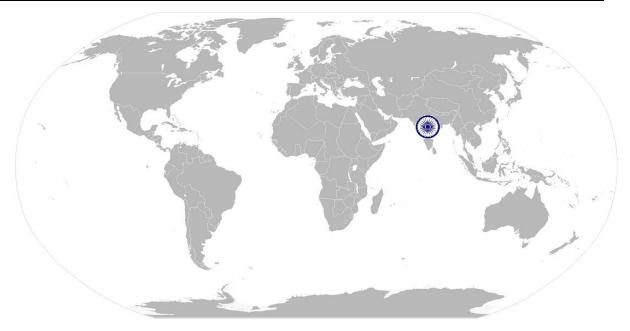


RSC/N4705 (CPC/N5705): To Study about mould polishing and mould assembly

SB2. Use reasoning skills to identify and resolve basic problems

NOS Version Control

| NOS Code | RSC/N4705 (CPC/N5705) | | |
|----------------|--|------------------|------------|
| Credits (NSQF) | 6 | Version number | 1.0 |
| Sector | Rubber | Drafted on | 18/05/2016 |
| Sub Sector | Manufacturing / Plastics Processing | Last reviewed on | 26/12/2016 |
| Occupation | Plastics Mould Manufacturing | Next review date | 31/12/2021 |











RSC/N4203 (CPC/N7014): Effective working with others

National Occupational Standards

Overview

This unit covers general practices that improve effectiveness of working with others in an organizational set-up.



Unit Code



RSC/N4203 (CPC/N7014)





RSC/N4203 (CPC/N7014): Effective working with others

| 1 | Unit Title (Task) | Effective working with others | | |
|-------------------------------|---|--|--|--|
| nal Standa | Description | This unit covers basic etiquette and competencies that an individual is required to possess & demonstrate in their behavior & interactions with others at workplace. These cover areas such as communication, discipline, handling conflict and grievances. | | |
| ioi | Scope | This unit/task covers the following: | | |
| at | | Effective Working with others | | |
| din | Performance Criteria (| | | |
| CC | Element | Performance Criteria | | |
| National Occupational Standar | Effective Working with others | PC1. Follow appropriate communication etiquette while working PC2. Display active listening skills while interacting with others at work PC3. Demonstrate responsible & disciplined behaviors at the workplace PC4. Accurately receive information and instructions from the supervisor and fellow workers, getting clarification where required PC5. Accurately pass on information to authorized persons who require it & within agreed timescale and confirm its receipt PC6. Display helpful behavior by assisting others in performing tasks in a positive manner, where required and possible PC7. Consult with and assist others to maximize effectiveness and efficiency in carrying out tasks | | |
| | | PC8. Escalate grievances and problems to appropriate authority as per procedure to resolve them and avoid conflict. | | |
| | Knowledge and Unders | | | |
| | A. Organizational | The individual on the job needs to know and understand: | | |
| | Context | KA1. Policies and procedures followed in the company for working with | | |
| | (Knowledge of the | others in an organizational set-up. | | |
| | company / organization andKA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area | | | |
| | | | | |
| | its processes) | The user (individual another internet and the lunguage and under start) | | |
| | B. Technical Knowledge | The user/individual on the job needs to know and understand: KB1. Importance of effective communication in the workplace | | |
| | Knowledge | KB1. Importance of teamwork in organizational and individual success | | |
| | | NB2. Importance of teamwork in organizational and individual success | | |

| | others at workplass | | | |
|----------------------------|---|--|--|--|
| | others at workplace. | | | |
| | These cover areas such as communication, discipline, handling conflict and | | | |
| | grievances. | | | |
| | This unit/task covers the following: | | | |
| | Effective Working with others | | | |
| Criteria (| C) w.r.t. the Scope | | | |
| | Performance Criteria | | | |
| king with | The individual on the job should be able to: | | | |
| | PC1. Follow appropriate communication etiquette while working | | | |
| | PC2. Display active listening skills while interacting with others at work | | | |
| | PC3. Demonstrate responsible & disciplined behaviors at the workplace | | | |
| | PC4. Accurately receive information and instructions from the supervisor | | | |
| | and fellow workers, getting clarification where required | | | |
| | PC5. Accurately pass on information to authorized persons who require it & | | | |
| | within agreed timescale and confirm its receipt | | | |
| | PC6. Display helpful behavior by assisting others in performing tasks in a | | | |
| | positive manner, where required and possible | | | |
| | PC7. Consult with and assist others to maximize effectiveness and | | | |
| | efficiency in carrying out tasks | | | |
| | PC8. Escalate grievances and problems to appropriate authority as per | | | |
| | FCo. Escalate grievances and problems to appropriate authority as per | | | |
| | procedure to resolve them and avoid conflict. | | | |
| nd Unders | | | | |
| | procedure to resolve them and avoid conflict. | | | |
| nd Unders onal | procedure to resolve them and avoid conflict. anding (K) | | | |
| | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with | | | |
| onal | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. | | | |
| onal | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area | | | |
| onal e of the | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area the user/individual on the job needs to know and understand: | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area he user/individual on the job needs to know and understand: KB1. Importance of effective communication in the workplace | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area the user/individual on the job needs to know and understand: KB1. Importance of effective communication in the workplace KB2. Importance of teamwork in organizational and individual success | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area he user/individual on the job needs to know and understand: KB1. Importance of effective communication in the workplace KB2. Importance of teamwork in organizational and individual success KB3. Barriers to effective communication | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area the user/individual on the job needs to know and understand: KB1. Importance of effective communication in the workplace KB2. Importance of teamwork in organizational and individual success KB3. Barriers to effective communication KB4. Importance of avoiding casual expletives and unpleasant terms while | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area the user/individual on the job needs to know and understand: KB1. Importance of effective communication in the workplace KB2. Importance of teamwork in organizational and individual success KB3. Barriers to effective communication KB4. Importance of avoiding casual expletives and unpleasant terms while communicating professional circles | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area he user/individual on the job needs to know and understand: KB1. Importance of effective communication in the workplace KB2. Importance of teamwork in organizational and individual success KB3. Barriers to effective communication KB4. Importance of avoiding casual expletives and unpleasant terms while communicating professional circles KB5. Various categories of people that one is required to communicate and | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area he user/individual on the job needs to know and understand: KB1. Importance of effective communication in the workplace KB2. Importance of teamwork in organizational and individual success KB3. Barriers to effective communication KB4. Importance of avoiding casual expletives and unpleasant terms while communicating professional circles KB5. Various categories of people that one is required to communicate and co- ordinate within the organization | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area the user/individual on the job needs to know and understand: KB1. Importance of effective communication in the workplace KB2. Importance of teamwork in organizational and individual success KB3. Barriers to effective communication KB4. Importance of avoiding casual expletives and unpleasant terms while communicating professional circles KB5. Various categories of people that one is required to communicate and co- ordinate within the organization KB6. Importance of discipline for professional success | | | |
| onal e of the on and | procedure to resolve them and avoid conflict. anding (K) The individual on the job needs to know and understand: KA1. Policies and procedures followed in the company for working with others in an organizational set-up. KA2. Grievance/ conflict handling mechanism of the company KA3. Relevant people and their responsibilities within the work area he user/individual on the job needs to know and understand: KB1. Importance of effective communication in the workplace KB2. Importance of teamwork in organizational and individual success KB3. Barriers to effective communication KB4. Importance of avoiding casual expletives and unpleasant terms while communicating professional circles KB5. Various categories of people that one is required to communicate and co- ordinate within the organization KB6. Importance of discipline for professional success KB7. Importance of ethics for professional success | | | |

KB10. Importance and ways of managing interpersonal conflict effectively

KB11. Importance of developing effective working relationships for professional success





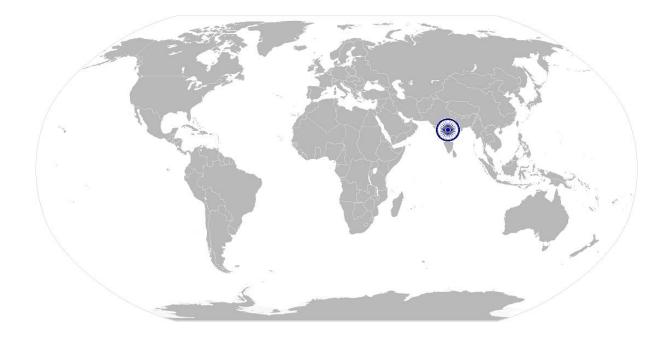




RSC/N4203 (CPC/N7014): Effective working with others

NOS Version Control

| NOS Code | RSC/N4203 (CPC/N7014) | | |
|----------------|--|------------------|------------|
| Credits (NSQF) | 1.5 | Version number | 1.0 |
| Sector | Rubber | Drafted on | 18/05/2016 |
| Sub Sector | Manufacturing / Plastics Processing | Last reviewed on | 26/12/2016 |
| Occupation | Plastics Mould Manufacturing | Next review date | 31/12/2021 |









Qualifications Pack For Plastics Mould Manufacturing Assistant

CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role: Machine Operator –Plastic Mould Manufacturing Assistant Qualification Pack Code: RSC/N4702 (CPC/Q 5703)

Sector Skill Council: Rubber Skill Development Council

Guidelines for Assessment:

- 1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also laydown proportion of marks for Theory and Skills Practical for each PC.
- 2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
- 3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below)
- 4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on this criteria.
- 5. To pass the Qualification Pack, every trainee should score a minimum of 70% in every NOS.
- 6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.

| Assessable Outcome | | Marks Allocation | | |
|---|---|------------------|--------|-----------|
| NOS | Performance Criteria | Total | Theory | Practical |
| RSC/N4101 (CPC/N0411): | PC1. Wear protective clothing/equipment for specific tasks and work conditions | 2.5 | 0.5 | 2 |
| Maintain basic health and safety practices at the | PC2. Carry out safe working practices while dealing with hazards to ensure the safety of self and others. | 2.5 | 0.5 | 2 |
| workplace, 5S | PC3. Apply good housekeeping practices at all times | 2.5 | 0.5 | 2 |
| | PC4. Use the various appropriate fire extinguishers on different types of fires correctly | 2.5 | 0.5 | 2 |
| | PC5. Demonstrate rescue techniques applied during fire hazard, demonstrate good housekeeping in order to prevent fire hazards, demonstrate the correct use of a fire extinguisher. | 2.5 | 0.5 | 2 |
| | PC6. Identify activities which can cause potential injury through sharp objects, burns, fall, electricity, gas leakages, radiation, poisonous fumes, chemicals, loud noise, and Identify areas in the plant which are potentially hazardous/unhygienic in nature. Conduct regular checks with support of the maintenance team on machine health to identify potential hazards due to wear and tear of machine. | 2.5 | 0.5 | 2 |
| | PC7. Inform the concerned authorities on the potential risks identified in the processes, workplace area/ layout, materials used etc, Inform the concerned authorities about machine breakdowns, damages which can | 2.5 | 0.5 | 2 |



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Qualifications Pack For Plastics Mould Manufacturing Assistant

| Qualifications Pack For Plastics Mould Manufacturing | g Assistant | 1 | 1 |
|---|-----------------|----------------|----|
| potentially harm man/ machine during operations. | | | |
| PC8. Create awareness amongst other by sharing information on the identified risks. | 2.5 | 0.5 | 2 |
| PC9. Follow the sorting process and check that | | | |
| the tools, fixtures & jigs that are lying on | | | |
| workstations are the ones in use and un- | 2.5 | 0.5 | 2 |
| necessary items are not cluttering the workbenches or work surfaces. | | | |
| PC10. Ensure segregation of waste in hazardous/ | | | |
| non Hazardous waste as per the sorting | 2.5 | 0.5 | 2 |
| work instructions | 2.5 | 0.5 | 2 |
| PC11. Follow the technique of waste disposal and | | | |
| waste storage in the proper bins as per SOP | 1.5 | 0.5 | 1 |
| PC12. Segregate the items which are labeled as red | | | |
| tag items for the process area and keep | 1.5 | 0.5 | 1 |
| them in the correct places | | | |
| PC13. Sort the tools/ equipment/ fasteners/ spare | | | |
| parts as per specifications/ utility into | 1.5 | 0.5 | 1 |
| proper trays, cabinets, lockers as mentioned | 1.5 | 0.5 | 1 |
| in the 5S guidelines/ work instructions | | | |
| PC14. Ensure that areas of material storage areas | | | |
| are not overflowing | | | |
| PC15. Properly stack the various types of boxes | 1.5 | 0.5 | 1 |
| and containers as per the size/ utility to | | | |
| avoid any fall of items/ breakage and also | | | |
| enable easy sorting when required | | | |
| PC16. Return the extra material and tools to the | | | |
| designated sections and make sure that no additional material/ tool is lying near the | 1.5 | 0.5 | 1 |
| work area | | | |
| PC17. Follow the floor markings/ area markings | | | |
| used for demarcating the various sections in | | | |
| the plant as per the prescribed instructions | 1.5 | 0.5 | 1 |
| and standards. | | | |
| PC18. Follow the proper labelling mechanism of | | | |
| instruments/ boxes/ containers and | 1 Г | 0.5 | 1 |
| maintaining reference files/ documents with | 1.5 | 0.5 | 1 |
| the codes and the lists | | | |
| PC19. Check that the items in the respective areas | 1.5 | 0.5 | 1 |
| have been identified as broken or damaged | 1.5 | 0.5 | - |
| PC20. Follow the given instructions and check for | | | |
| levelling of fluids, oils, lubricants, solvents, | 1.5 | 0.5 | 1 |
| chemicals etc. and proper storage of the | - | | |
| same To avoid spillage, leakage, fire etc. | | | |
| PC21. Make sure that all material and tools are | | 0.5 | |
| stored in the designated places and in the | 1.5 | 0.5 | 1 |
| manner indicated in the 5S instructions. Sub Total | 40 | 10 | 30 |
| | 40 13 | 10 3 | |
| PC1. To interact with the head mould maker | 12 | 5 | 10 |



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Qualifications Pack For Plastics Mould Manufacturing Assistant

| | Qua | lifications Pack For Plastics Mould Manufacturing | Assistant | 1 | 1 |
|-----------------------------------|----------------------|--|-----------|--------|----------|
| RSC/N4701 | | & understand the mould drawing | | | |
| (CPC/N5702): To | PC2. | To help in planning the day's Mould | 13 | 3 | 10 |
| understand basic | | making activities based on the Drawing | 10 | 5 | 10 |
| concepts of | PC3. | To ensure availability of Tools and Raw | | | |
| Engineering | | materials for production in sufficient | | | |
| drawing & Can | | quantity as per production | 13 | 3 | 10 |
| able to study the | | plan/operators instructions. | | | |
| Job Drawing/ Blue Print & | PC4. | Clearly understand the Drawing, | | | |
| Dimensional | 1 0 1. | Dimension & Tolerances of the | 13 | 3 | 10 |
| Tolerances job | | individual part before making it. | 15 | 5 | 10 |
| Tolerances job | DCE | · · · · · | | | |
| | PC5. | Understand the Assembly Drawing & | 13 | 3 | 10 |
| | | Detail Drawing of Mould / Mould Parts. | | | |
| | PC6. | Ensure that the required raw | | | |
| | | material/Tools is procured from the | 13 | 3 | 10 |
| | | store/Tool Crib before starting the work | | | |
| | PC7. | Understand the Tools required to | | | |
| | | execute the required Mould Making | 14 | 3 | 11 |
| | | Process and ensure that the same is | 14 | 5 | 11 |
| | | available in shop floor | | | |
| | PC8. | If tool is not available collect the tools | | _ | |
| | | from tool crib. | 14 | 3 | 11 |
| | PC9. | Understand the raw material like steel | | | |
| | | material for different mould parts from | 14 | 3 | 11 |
| | | the drawing | | Ū. | |
| | Sub T | | 120 | 27 | 93 |
| RSC/N4702 | PC1. | Perform Handling & Using of Different Hand | | 27 | |
| (CPC/N5703): | 1 01. | tools | 24 | 6 | 18 |
| Assist in | PC2. | Hands on Skill & Accruing Practices on | | | |
| performing the | . 02. | measurement of Mould Parts | 24 | 6 | 18 |
| Mould making | PC3. | Select Different tools for particular job | 23 | 5 | 18 |
| Process by use of | PC4. | Perform to handle the vernier Caliper, | | | |
| , different types of | | Micrometer etc. | 23 | 5 | 18 |
| Hand tools | PC5. | Can able to set job on different types of | | | |
| | | vices. | 22.5 | 4.5 | 18 |
| | Sub T | | 116.5 | 26.5 | 90 |
| RSC/N4703 | PC1. | Study of Two Plate Injection Mould & Three | | | 24 |
| (CPC/N5704): | | Plate Injection Mould | 40 | 9 | 31 |
| Study of Types of | PC2. | Study of Mould Feed System, Types of Gate | 20 | 4 | 16 |
| Plastics Mould | PC3. | Study of Different types of cooling System | 20 | 4 | 16 |
| | PC4. | Study of Different ejection system of Mould. | 20 | 4 | 16 |
| | Sub T | Fotal | 50 | 15 | 35 |
| | Jubi | | | | i |
| RSC/N4704 | PC1. | Polish the core and cavity | 15 | 4 | 11 |
| RSC/N4704 (CPC/N5705): To | | Polish the core and cavity Polish the mating parts of mould | 15 15 | 4 | 11 11 |
| = | PC1. | | | | |
| (CPC/N5705): To | PC1. PC2. | Polish the mating parts of mould | 15 | 4 | 11 |
| (CPC/N5705): To study about mould | PC1. PC2. PC3. | Polish the mating parts of mould Identify the mould parts Assemble the mould independently | 15 15 | 4 4 | 11 11 |



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| RSC/N 4203 (CPC/ | | etiquette while working | | | |
|------------------------------|--------------|---|------|-----|-----|
| N 7014) Effective working | PC2. | Display active listening skills while interacting with others at work | 2 | 1 | 1 |
| • | D .02 | - | | | |
| with others | PC3. | Demonstrate responsible and disciplined behaviors at the workplace | 2 | 1 | 1 |
| | PC4. | Accurately receive information and instructions from the supervisor and fellow workers, getting clarification where required | 1.5 | 0.5 | 1 |
| | PC5. | Accurately pass on information to authorized persons who require it and within agreed timescale and confirm its receipt | 1.5 | 0.5 | 1 |
| | PC6. | Display helpful behavior by assisting others in performing tasks in a positive manner, where required and possible | 1.5 | 0.5 | 1 |
| | PC7. | Consult with and assist others to maximize effectiveness and efficiency in carrying out tasks | 1.5 | 0.5 | 1 |
| | PC8. | Escalate grievances and problems to appropriate authority as per procedure to resolve them and avoid conflict. | 1.5 | 0.5 | 1 |
| | | Sub total | 13.5 | 5.5 | 8 |
| | | Total | 400 | 100 | 300 |