

# POLYMER COMPOUND MANUFACTURING

<b>Duration:</b>	5 days
<b>Target:</b>	Candidates competent in NQF Level 1
<b>Prerequisite:</b>	Basic Literacy and Numeracy [ABET 4]
<b>NQF Info:</b>	NQF Level 2
<b>Qualification:</b>	National Certificate in Polymer Compound Manufacturing NQF Level 2
<b>Credits:</b>	23
<b>Certification:</b>	merSETA-accredited Plastics SA Certification

## Unit Standards

- Apply bonding agent to a range of surfaces [376921]
- Describe and apply fundamental processes in a polymer compound manufacturing environment [376920]
- Monitor the production process of polymer compound products [376922]

## Objective of Learning Programme

To enable learners to identify and work with materials required to apply bonding agent, identify and use equipment and machinery used, and apply safety and quality practices, in polymer compound manufacturing processes, determine product quality requirements, visually inspect elements of the production process, and discuss and explain incidents and problems resulting from the visual inspection.

## Specific Outcomes of Unit Standards

- Prepare material and surface for bonding purposes
- Apply bonding agent in line with surface conditions and requirements
- Handle and store bonding agent in line with industry standards
- Describe fundamental production processes and specialization areas in polymer compound manufacturing environment
- Identify and use equipment and machinery used, and identify and apply safety and quality practices, in a polymer compound manufacturing process
- Determine product quality requirements in a polymer compound production process
- Conduct functionality checks on manufacturing equipment
- Visually inspect elements of the production process
- Describe incidents and problems resulting from the visual inspection of the production process and the quality of the product output

## Assessment and Certification

- Workplace Experience Assignments to be submitted within two weeks following training. A Plastics|SA Certificate of Competence is issued to successful candidates.
- Relevant credits may be awarded to successful learners upon merSETA due approval process.