



Australian Government

Assessment Requirements for PMBPROD313E Produce extruded polymer products

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD313 Produce extruded products.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- produce extruded polymer products at least once to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions of polymer extrusion equipment
- the principles of operation of polymer extrusion equipment
- the polymer extrusion process and materials demand
- the criteria for overall process/equipment readiness for the process or equipment being used types and characteristics of materials and their behaviour in relation to process conditions and stages of production
- typical quality standards required at each stage of production
- mechanical, hydraulic, pneumatic, electrical and electronic principles that effect machine operation
- the impact of variations in raw materials and equipment operation in relation to final product
- key variables that may affect product quality and production output, including:
 - actual and set temperatures
 - speeds
 - colour and uniformity
 - surface finish or appearance
 - output rate
 - product integrity and general conformance to specification
- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions
- methods and materials for purging equipment, and their combinations and applications
- organisational procedures relevant to the work environment and job role, including procedures for the emergency shutdown of equipment
- hazards that may arise in the job or work environment, and:

- their possible causes
- potential consequences
- appropriate risk controls.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet – -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=932aacef-7947-4c80-acc6-593719fe4090>