



Australian Government

Assessment Requirements for PMBPROD311E Produce blow moulded products

Release: 1

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Modification History

Release 1. Unit code changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD311 Produce blow moulded 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 blow moulded products at least once to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions of extrusion blow moulding equipment, including bottom blow, top blow, needle blow, tail to tail blow, parison pre-blow and pre-squeeze, parison stretching and parison orientation type machines
- the characteristics and properties of plastic materials and additives commonly used in this moulding and manufacturing process:
 - physical and end-use applications
 - operating temperatures during processing
 - chemical resistance
- the principles of operation of extrusion blow moulding equipment, and mechanical, hydraulic, pneumatic, electrical and electronic principles that affect machine operation and their respective safety hazards
- extrusion blow moulding manufacturing production processes and sequences of the cycle
- the criteria for overall process/equipment readiness for the process or equipment being used
- characteristics of materials and their behaviour, including the impact of variations in raw materials on final product outputs
- typical quality standards required at each stage of production mechanical, hydraulic, pneumatic, electrical and electronic principles that effect machine operation
- key variables that may affect product quality and production output, including:
 - operating temperatures
 - speed
 - cycle time
 - output rate
 - concentration or dispersion of colour

- product weight
- product wall thickness
- product integrity and general conformance to specification
- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions
- 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/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>