



Australian Government

PMBPROD216E Operate blown film equipment

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 PMBPROD216 Operate blown film equipment.

Application

This unit covers the skills and knowledge required to operate blown film extrusion equipment.

This unit applies to an individual working alone or as part of a team.

This unit principally refers to routine polymer extrusion and thin-film blowing technology operations.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Production – Blown Film

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Check work requirements	1.1 Identify requirements from production plan or job specifications 1.2 Verify polymer materials meet requirements for job 1.3 Perform pre-operational checks including checking for and acting on hazards

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Operate blown film equipment	2.1 Check process is operating according to equipment specifications and job requirements 2.2 Ensure product is ready for next operation according to job requirements 2.3 Monitor and maintain supply of polymer materials to support operation of equipment 2.4 Accurately complete production records 2.5 Apply waste management strategies to collect and segregate scrap, trim and other materials according to workplace procedures 2.6 Clean equipment and work area according to operational and workplace procedures 2.7 Pause and stop machine cycle in normal and abnormal circumstances according to workplace procedures
3. Respond to process control variances	3.1 Recognise and log process control variances and their issues 3.2 Accurately maintain records and logbooks

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

- Numeracy skills to interpret technical information and equipment readings.
- Reading skills to interpret specifications and workplace procedures.
- Writing and oral communication skills to record and report on polymer extrusion equipment operations.

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to PMBPROD216 Operate blown film equipment.

Links

Companion Volume implementation guides are found in VETNet –

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

Assessment Requirements for PMBPROD216E Operate blown film equipment

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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:

- operate blown film equipment at least once, including monitoring equipment using measured or indicated data and senses as required, to meet work requirements.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the mechanical function of blown film extrusion equipment and ancillary equipment
- principles of operation of the equipment
- blown film production workflow sequences and materials demand
- the criteria for overall process/equipment readiness for the process or equipment being used
- key variables that may impact product quality or production output, including:
 - equipment pressures and temperatures
 - materials specifications
 - ambient temperatures
- typical quality standards at each stage of production
- typical process and product problems, including early warning signs, possible causes and corrective actions
- organisational procedures relevant to the work environment or 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.

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