



Australian Government

Assessment Requirements for PMBPROD255E Operate polymer mixing equipment

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 PMBPROD255 Operate mixing equipment.

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 polymer mixing equipment at least once to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions of polymer mixing equipment and ancillary equipment
- principles of operation of common mixing/blending equipment
- types and application of common mixing/blending equipment
- the criteria for overall process/equipment readiness for the process or equipment being used
- processing behaviour of polymers and the role of additives in this process
- production workflow sequences and materials demand
- key variables that may affect product quality and production output
- typical process and product problems, including early warning signs and corrective actions:
 - incorrect machine settings
 - incorrect type or quantity of materials
 - damaged equipment or equipment components
 - poor blending of raw materials
 - poor surface finish
 - poor colour dispersion
 - bubbles in mixture
- possible causes of process control variances, including:
 - raw material variations/contamination
 - process abnormalities
 - procedural errors
 - mechanical abnormalities

- 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.

Links

Companion Volume implementation guides are found in VETNet – -

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