

Title	Trial a blown film extrusion product on a specified blown film extrusion line		
Level	4	Credits	7

Purpose	People credited with this unit standard are able to trial a blown film extrusion product on a specified blown film extrusion line.
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Classification	Plastics Processing Technology > Blown Film Extrusion
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	Unit 23131, <i>Compare melt flow and dimensional stability of plastics materials</i> ; Unit 27666, <i>Optimise complex mono-layer production processes for blown film extrusion</i> .

Explanatory notes

- 1 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015.
- 2 Definitions
Trial – the testing and evaluation of either a new film product, or a film product for which there is neither prior knowledge nor production set-up information available. Examples include – polymer blend change, trialling new materials, trialling new additives.
Workplace procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, site safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.
- 3 All evidence requirements must be performed in accordance with workplace procedures.

Outcomes and evidence requirements

Outcome 1

Trial a blown film extrusion product on a specified blown film extrusion line.

Evidence requirements

- 1.1 Pre-trial preparations are carried out.
- Range preparation examples are verification of – trial purpose, trial timing, trial product specifications, expected production output, die lip size, die gap, yield, air ring inserts, downstream and ancillary equipment requirements, raw material availability, technical resources available.
- 1.2 Blown film extrusion line is set up and prepared in accordance with trial specifications.
- 1.3 Initial blown film extrusion line conditions are set according to product type, material type, and trial specifications.
- 1.4 Trial procedures are carried out and adjustments are made to optimise product quality, productivity, and satisfy trial objectives. Machine settings are recorded.
- 1.5 Trial results are recorded and samples are identified.
- 1.6 Conclusions from the trial are reported and recommendations are made based on trial results.
- 1.7 Blown film extrusion line is re-established for production.

Replacement information	This unit standard and unit standard 27666 replaced unit standard 290.
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Planned review date	31 December 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	17 May 2012	31 December 2019
Review	2	15 September 2016	N/A

Consent and Moderation Requirements (CMR) reference	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.