

Qualification details



PMB40107 - Certificate IV in Polymer Technology

Summary

Releases:	Release	Status	Release date
	2	Current	2013/07/06
	1	Replaced	2011/05/01

Usage recommendation: **Superseded**

Mapping:	Mapping	Notes	Date
	Is superseded by and equivalent to PMB40116 - Certificate IV in Polymer Technology	Supersedes and is equivalent to PMB40107 Certificate IV in Polymer Technology.	2016/06/22
	Supersedes and is equivalent to PMB40101 - Certificate IV in Polymer Technology		2011/05/01

Training packages that include this qualification

Code	Title	Release
PMB07	Plastics, Rubber and Cablemaking Training Package	2.0

Units of competency

Code	Title	Essential
FPICOT2206B	Cross cut materials with a hand-held chainsaw	N/A
LMTGN2008B	Coordinate work of team or section	N/A
MEM03001B	Perform manual production assembly	N/A
MEM03006B	Set assembly stations	N/A
MEM09002B	Interpret technical drawing	N/A
MEM09003B	Prepare basic engineering drawing	N/A
MEM11005B	Pick and process order	N/A
MEM11006B	Perform production packaging	N/A
MEM11007B	Administer inventory procedures	N/A
MEM12023A	Perform engineering measurements	N/A
MEM13003B	Work safely with industrial chemicals and materials	N/A
MEM15001B	Perform basic statistical quality control	N/A
MEM15003B	Use improvement processes in team activities	N/A
MEM15004B	Perform inspection	N/A
MEM16006A	Organise and communicate information	N/A
MEM16007A	Work with others in a manufacturing, engineering or related environment	N/A
MEM16008A	Interact with computing technology	N/A
MEM18001C	Use hand tools	N/A
MEM18002B	Use power tools/hand held operations	N/A
MSAENV272B	Participate in environmentally sustainable work practices	N/A

Code	Title	Essential
MSAENV472B	Implement and monitor environmentally sustainable work practices	N/A
MSAPMOHS100A	Follow OHS procedures	N/A
MSAPMOHS110A	Follow emergency response procedures	N/A
MSAPMOHS200A	Work safely	N/A
MSAPMOHS205A	Control minor incidents	N/A
MSAPMOHS212A	Undertake first response to fire incidents	N/A
MSAPMOHS216A	Operate breathing apparatus	N/A
MSAPMOHS217A	Gas test atmospheres	N/A
MSAPMOHS220A	Provide initial First Aid response	N/A
MSAPMOHS300A	Facilitate the implementation of OHS for a work group	N/A
MSAPMOHS400A	Contribute to OHS management system	N/A
MSAPMOHS401A	Assess risk	N/A
MSAPMOPS100A	Use equipment	N/A
MSAPMOPS101A	Make measurements	N/A
MSAPMOPS102A	Perform tasks to support production	N/A
MSAPMOPS200A	Operate equipment	N/A
MSAPMOPS212A	Use organisation computers or data systems	N/A
MSAPMOPS244A	Layout and cut materials	N/A
MSAPMOPS363A	Organise on site work	N/A
MSAPMOPS400A	Optimise process/plant area	N/A
MSAPMOPS401A	Trial new process or product	N/A
MSAPMOPS404A	Co-ordinate maintenance	N/A
MSAPMOPS405A	Identify problems in fluid power system	N/A
MSAPMOPS406A	Identify problems in electronic control systems	N/A
MSAPMPER200C	Work in accordance with an issued permit	N/A
MSAPMPER201A	Monitor and control work permits	N/A
MSAPMPER205C	Enter confined space	N/A
MSAPMPER300C	Issue work permits	N/A
MSAPMSUP100A	Apply workplace procedures	N/A
MSAPMSUP101A	Clean workplace or equipment	N/A
MSAPMSUP102A	Communicate in the workplace	N/A
MSAPMSUP106A	Work in a team	N/A
MSAPMSUP172A	Identify and minimise environmental hazards	N/A
MSAPMSUP200A	Achieve work outcomes	N/A
MSAPMSUP201A	Receive or despatch goods	N/A
MSAPMSUP204A	Pack products or materials	N/A
MSAPMSUP205A	Transfer loads	N/A
MSAPMSUP210A	Process and record information	N/A
MSAPMSUP230A	Monitor process operations	N/A
MSAPMSUP240A	Undertake minor maintenance	N/A

Code	Title	Essential
MSAPMSUP273A	Handle goods	N/A
MSAPMSUP280A	Manage conflict at work	N/A
MSAPMSUP291A	Participate in continuous improvement	N/A
MSAPMSUP292A	Sample and test materials and product	N/A
MSAPMSUP300A	Identify and implement opportunities to maximise production efficiencies	N/A
MSAPMSUP301A	Apply HACCP to the workplace	N/A
MSAPMSUP303A	Identify equipment faults	N/A
MSAPMSUP309A	Maintain and organise workplace records	N/A
MSAPMSUP310A	Contribute to the development of plant documentation	N/A
MSAPMSUP330A	Develop and adjust a production schedule	N/A
MSAPMSUP382A	Provide coaching/mentoring in the workplace	N/A
MSAPMSUP383A	Facilitate a team	N/A
MSAPMSUP390A	Use structured problem solving tools	N/A
MSAPMSUP400A	Develop and monitor quality systems	N/A
MSL973001A	Perform basic tests	N/A
MSL974003A	Perform chemical tests and procedures	N/A
MSS402002A	Sustain process improvements	N/A
MSS402020A	Apply quick changeover procedures	N/A
MSS402021A	Apply Just in Time procedures	N/A
MSS402030A	Apply cost factors to work practices	N/A
MSS402040A	Apply 5S procedures	N/A
MSS402050A	Monitor process capability	N/A
MSS402051A	Apply quality standards	N/A
MSS402060A	Use planning software systems in operations	N/A
MSS402080A	Undertake root cause analysis	N/A
MSS403002A	Ensure process improvements are sustained	N/A
MSS403010A	Facilitate change in an organisation implementing competitive systems and practices	N/A
MSS403021A	Facilitate a Just in Time system	N/A
MSS403040A	Facilitate and improve implementation of 5S	N/A
MSS403051A	Mistake proof an operational process	N/A
MSS404050A	Undertake process capability improvements	N/A
MSS404052A	Apply statistics to operational processes	N/A
PMBFIN201C	Finish products and components	N/A
PMBFIN202C	Fit attachments to products	N/A
PMBFIN203C	Repair product imperfections	N/A
PMBFIN205C	Hand decorate products	N/A
PMBHAN103C	Shift materials safely by hand	N/A
PMBHAN208C	Store products	N/A
PMBPREP201B	Prepare moulds for composites production	N/A
PMBPREP205C	Assemble materials and equipment for production	N/A
PMBPREP206C	Prepare materials to formulae	N/A
PMBPREP301C	Set up and prepare for production	N/A
PMBPREP303C	Set up equipment for continuous operation	N/A
PMBPREP304C	Set a die	N/A
PMBPREP305B	Change extrusion die and setup	N/A

Code	Title	Essential
PMBPROD206B	Operate ancillary equipment	N/A
PMBPROD207B	Operate calender	N/A
PMBPROD209C	Operate cable winding equipment	N/A
PMBPROD210B	Operate injection moulding equipment	N/A
PMBPROD211B	Operate blow moulding equipment	N/A
PMBPROD212B	Operate thermoforming equipment	N/A
PMBPROD213B	Operate extruders	N/A
PMBPROD216B	Operate blown film equipment	N/A
PMBPROD217B	Operate printing equipment	N/A
PMBPROD221B	Operate rotational moulding equipment	N/A
PMBPROD229B	Operate polystyrene shape moulding equipment	N/A
PMBPROD233B	Operate film conversion equipment	N/A
PMBPROD235C	Use materials and process knowledge to complete work operations	N/A
PMBPROD236C	Operate hand held air/power equipment for production processes	N/A
PMBPROD237C	Splice cables	N/A
PMBPROD238A	Perform creel rack operations	N/A
PMBPROD239A	Build reinforced conveyor belts	N/A
PMBPROD240C	Cut materials	N/A
PMBPROD241C	Lay up rubber lining or lag pulleys	N/A
PMBPROD242A	Bond polymers to surfaces	N/A
PMBPROD245C	Fabricate materials	N/A
PMBPROD246C	Hand mix materials	N/A
PMBPROD247C	Hand lay up composites	N/A
PMBPROD248C	Prepare surfaces for coating	N/A
PMBPROD249B	Apply liquid surface coatings	N/A
PMBPROD251B	Apply gel coat or other polymer surface finish	N/A
PMBPROD252C	Operate compounding equipment	N/A
PMBPROD253C	Operate an internal mill blender	N/A
PMBPROD254C	Operate an open mill blender	N/A
PMBPROD255C	Operate mixing equipment	N/A
PMBPROD259C	Operate granulating equipment	N/A
PMBPROD261B	Operate continuous vulcanising equipment	N/A
PMBPROD262B	Operate tyre curing equipment	N/A
PMBPROD263B	Operate retread curing equipment	N/A
PMBPROD264C	Check recycle wash process	N/A
PMBPROD265C	Operate portable vulcanising equipment	N/A
PMBPROD266B	Prepare tyre casings for retreading	N/A
PMBPROD267B	Operate steel cutting equipment	N/A
PMBPROD268B	Operate bead coiling equipment	N/A
PMBPROD270B	Operate injection blow moulding equipment	N/A
PMBPROD280B	Operate resin-glass depositor equipment	N/A
PMBPROD281B	Finish composite products	N/A
PMBPROD282B	Assemble mould	N/A
PMBPROD283B	Demould product	N/A
PMBPROD284B	Operate open flame moulding equipment	N/A

Code	Title	Essential
PMBPROD285A	Operate computer controlled equipment	N/A
PMBPROD287B	Weld plastics materials	N/A
PMBPROD290B	Operate filament winding equipment	N/A
PMBPROD291B	Operate resin infusion moulding equipment	N/A
PMBPROD292B	Operate pultrusion equipment	N/A
PMBPROD293B	Operate vacuum bagging equipment	N/A
PMBPROD294B	Operate resin transfer moulding equipment	N/A
PMBPROD295B	Operate composite sheeting equipment	N/A
PMBPROD296B	Operate centrifugal casting equipment	N/A
PMBPROD297B	Operate equipment using moulding compounds	N/A
PMBPROD298B	Operate equipment using pre-preg material	N/A
PMBPROD300B	Produce products	N/A
PMBPROD301C	Draw wire	N/A
PMBPROD302C	Bunch and strand wire	N/A
PMBPROD303C	Lay up and tape cables	N/A
PMBPROD304C	Wind products onto drums	N/A
PMBPROD305C	Colour optical fibre	N/A
PMBPROD306B	Prepare and start equipment for production	N/A
PMBPROD307C	Produce calendered products	N/A
PMBPROD308B	Take a machine out of production	N/A
PMBPROD309C	Produce electroplated products	N/A
PMBPROD310C	Produce injection moulded products	N/A
PMBPROD311C	Produce blow moulded products	N/A
PMBPROD312C	Produce continuous thermoforming products	N/A
PMBPROD313C	Produce extruded products	N/A
PMBPROD314C	Produce compression moulded products	N/A
PMBPROD315C	Produce polyurethane foam	N/A
PMBPROD316C	Produce blown film	N/A
PMBPROD317C	Print and decorate rigid products	N/A
PMBPROD318C	Build first stage tyres	N/A
PMBPROD319C	Build up rollers	N/A
PMBPROD320C	Produce foam injected mouldings	N/A
PMBPROD321B	Produce rotational moulded products	N/A
PMBPROD323C	Produce powder coated products	N/A
PMBPROD324B	Inspect tyres for retreading	N/A
PMBPROD325B	Lay on tyre retreads	N/A
PMBPROD326B	Inspect tyres	N/A
PMBPROD327B	Produce finished tyres	N/A
PMBPROD328C	Produce sheet feed vacuum forming products	N/A
PMBPROD329C	Produce polystyrene shape moulded products	N/A
PMBPROD330A	Make moulds for formed products	N/A
PMBPROD331C	Produce printed and decorated film	N/A
PMBPROD332C	Produce thermally bent products	N/A
PMBPROD333B	Convert plastic film	N/A
PMBPROD334A	Produce products using twin screw extruders	N/A

Code	Title	Essential
PMBPROD335C	Build second stage tyres	N/A
PMBPROD336A	Inspect heavy off-the-road tyres	N/A
PMBPROD337A	Prepare heavy off-the-road tyres for repair	N/A
PMBPROD338A	Repair heavy off-the-road tyres	N/A
PMBPROD339A	Produce reinforced conveyor belts	N/A
PMBPROD340A	Cure heavy off-the-road tyre repairs	N/A
PMBPROD341A	Finish heavy off-the-road tyre repairs	N/A
PMBPROD343C	Shut down plant area	N/A
PMBPROD347B	Produce composites using hand lamination	N/A
PMBPROD349B	Produce liquid surface coated products	N/A
PMBPROD352A	Produce compounded materials	N/A
PMBPROD353B	Compound materials using an internal mill blender	N/A
PMBPROD354B	Compound materials using an open mill blender	N/A
PMBPROD355B	Make pattern/plug for composites moulds	N/A
PMBPROD356C	Construct moulds for composite products	N/A
PMBPROD357C	Construct jigs and fixtures	N/A
PMBPROD358C	Develop patterns	N/A
PMBPROD360B	Produce centrifugally cast polyurethane products	N/A
PMBPROD362B	Produce gravity cast polyurethane products	N/A
PMBPROD367B	Remove and replace conveyor belts	N/A
PMBPROD368B	Repair conveyor belt carcass	N/A
PMBPROD369B	Repair conveyor belt covers	N/A
PMBPROD370B	Produce injection blow moulded products	N/A
PMBPROD372B	Produce fibre optic preforms	N/A
PMBPROD373B	Draw optical fibre	N/A
PMBPROD375B	Vulcanise products using an autoclave	N/A
PMBPROD376A	Splice steel cord conveyor belts	N/A
PMBPROD377A	Splice fabric ply conveyor belts	N/A
PMBPROD378A	Splice solid woven conveyor belts	N/A
PMBPROD380B	Produce composites using chopper gun/depositor	N/A
PMBPROD384A	Operate multi-axis router	N/A
PMBPROD385A	Program computer controlled equipment	N/A
PMBPROD387B	Produce welded plastics materials	N/A
PMBPROD390B	Produce composites using filament winding	N/A
PMBPROD391B	Produce composites using resin infusion	N/A
PMBPROD392B	Produce composites using pultrusion	N/A
PMBPROD393B	Produce composites using vacuum bagging	N/A
PMBPROD394B	Produce composites using resin transfer moulding	N/A
PMBPROD395B	Produce composite sheet products	N/A
PMBPROD396B	Produce composites using centrifugal casting	N/A
PMBPROD397B	Produce composites using moulding compounds	N/A
PMBPROD398B	Produce composites using pre-pregs	N/A
PMBPROD430B	Trial a new die/tool	N/A
PMBPROD431B	Trial a new, advanced or complex mould	N/A
PMBTECH301B	Use material and process knowledge to solve problems	N/A

Code	Title	Essential
PMBTECH302A	Modify existing compounds	N/A
PMBTECH303A	Make minor modifications to products	N/A
PMBTECH401B	Predict polymer properties and characteristics	N/A
PMBTECH402B	Set advanced or complex dies	N/A
PMBTECH403B	Test fibre-composites materials and laminates	N/A
PMBTECH404B	Mould chemical resistant and/or fire retardant fibre-composites	N/A
PMBTECH405B	Repair damaged fibre-composites structures	N/A
PMBTECH406A	Diagnose production equipment problems	N/A
PMBWASTE101C	Collect waste for recycling or safe disposal	N/A
PMBWASTE302C	Coordinate waste disposal	N/A
PMBWELD301B	Butt weld polyethylene plastic pipelines	N/A
PMBWELD302B	Electrofusion weld polyethylene pipelines	N/A
PMBWELD303B	Install polyethylene (non-pressure) drainage pipelines	N/A
PMBWELD304B	Design polyethylene (non-pressure) drainage pipelines	N/A
PMBWELD305B	Install polyethylene plastic pressure pipelines	N/A
PMBWELD306B	Design polyethylene plastic pressure pipelines	N/A
PMBWELD307B	Install high temperature plastic pressure pipelines	N/A
PMBWELD308B	Install PVC plastic pressure pipelines	N/A
PMBWELD309B	Weld plastic using extrusion techniques	N/A
PMBWELD310B	Design PVC plastic pressure pipelines	N/A
PMBWELD311B	Design high temperature plastic pressure pipelines	N/A
RIIRIS201B	Conduct local risk control	N/A
TAEASS301B	Contribute to assessment	N/A
TAEASS401B	Plan assessment activities and processes	N/A
TAEASS402B	Assess competence	N/A
TAEASS403B	Participate in assessment validation	N/A
TADEL301A	Provide work skill instruction	N/A
TLID2010A	Operate a forklift	N/A
TLID3011A	Conduct specialised forklift operations	N/A

Classifications

Scheme	Code	Name
ANZSCO Identifier	399916	Plastics Technician
ASCED Qualification/Course Field of Education Identifier	0303	Process And Resources Engineering
ASCO (occupation type) Identifier	4987	Chemical, Petroleum And Gas Plant Operators
Qualification/Course Level of Education Identifier	511	Certificate IV
Taxonomy - Industry Sector	N/A	Plastics, Polymers and Rubber, Manufacturing Technology
Taxonomy - Occupation	N/A	Polymer Technician, Plastics Technician, Rubber Production Senior Operator, Senior Cablemaker, Polymer Senior Operator, Belt Installation and Repair Technician, Die Trialler

Classifications history

Scheme	Code	Name	Start date	End date
ANZSCO Identifier	399916	Plastics Technician	2011/05/01	
ASCO (occupation type) Identifier	4987	Chemical, Petroleum And Gas Plant Operators	2011/05/01	
ASCED Qualification/Course Field of Education Identifier	0303	Process And Resources Engineering	2011/05/01	
Qualification/Course Level of Education Identifier	511	Certificate IV	2011/05/01	