

Polymer – Materials Handling and Preparation

Study Mode: Part Time

Is this course right for me?

This course is ideal if you want to develop a strong understanding of plastics materials and their practical applications in the workplace. Whether you're new to the industry or looking to refresh and expand your existing knowledge, you'll gain the skills to identify different plastics, understand their structure, and apply best practices in material handling and processing. The course combines theory with practical demonstrations, making it perfect for those who prefer hands-on learning and want to improve their technical confidence when working with polymer materials.

Delivery Information

This duration of this course is 1 day

This course will run on the following dates:

- 16 January 2026
- 8 May 2026
- 28 October 2026

Cost per person: £385

Entry Requirements

What will I learn?

On completion of the course the delegates will be able to:

- Describe what is meant by a plastic material
- Identify company specific materials used by their trade names and product codes
- Explain the molecular structure of plastics materials
- List common product faults created from faulty material handling practices
- State a range of additives used within modern plastics materials
- Explain the MFI (MFR) test procedure and the relevance of numbers obtained
- Detail common hopper loading methods and the equipment used
- Identify safety hazards associated with material handling activities
- Describe good material storage practices
- List various material drying methods and equipment stating situations for appropriate selection.

Theoretical instruction is complimented with a variety of practical demonstrations covering areas such as correct usage and the cleaning of various types of drying equipment, hopper loaders and granulators together with production of test-piece samples that are then tested for mechanical performance exercises. Individual candidate knowledge levels are assessed at the end of the course using a short multiple choice questionnaire, after which a results and feedback report is provided to help identify any further training requirements.

What skills will I gain?

PTIC Material Handling & Preparation Attendance Certificate. Material covered has been aligned to the content of a Level 2 NVQ and can be used as underpinning knowledge towards achieving this award, if so desired.

How will I be assessed?

What can I do next?

Delivery

Location: Telford Campus

Start Date:

Day:

Time:

Course Fee: 385.00

Course Code: POL18

Study Mode: Part Time



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