

This course can be adapted to virtual classroom mode

Introduction to the Polymer Industry

1 day
Overview

DECPOL-EN-A

LEVEL

Skilled

PURPOSE

This course is a way to help people to discover the world of the polymers produced by the company.

LEARNING OBJECTIVES

Upon completion of the course, the participants will be able to:

- precise what is a polymer,
- list the main applications of the polymers produced on site,
- present the role of the main chemicals used to produce the polymers,
- quote the main characteristics of each process.

WAYS AND MEANS

This course can be adapted for distance learning.

Illustration with samples of polymers.

Pictures of units: general overview.

LEARNING ASSESSMENT

Quiz.

PREREQUISITES

No technical prerequisites for this course.

Agenda

INTRODUCTION TO THE POLYMER WORLD

0.25 d

Plastics: some data about.

Manufacturing processes: the downstream industry.

A set of definitions: what is a plastic, a polymer, a monomer...

FOUR DIFFERENT POLYMER PRODUCTIONS

0.75 d

Origin of the feedstock.

Processes implemented on site.

Expected properties of the polymers.

Markets targeted in terms of end-use products.