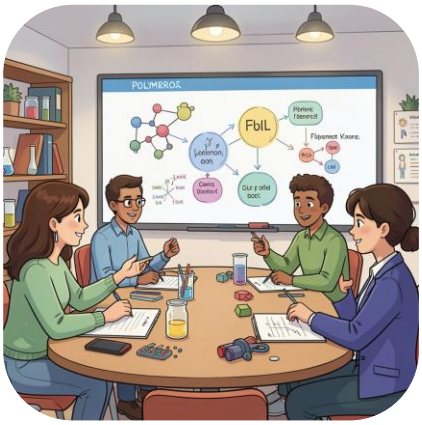
UNIVERSITÉ DE LORRAINE

TRAINING



Continuing Education - short module - Materials Technology

KEY WORDS

POLYMER CHARACTERIZATION,

SPECTROSCOPY,

FIRE BEHAVIOR

MAIN CONTENTS

Introduction to plastics.
Families of thermoplastics.
Families of thermosetting plastics.
General properties of plastics.
Reading a technical data sheet for materials.
Plastic recognition.
Additives for thermoplastics.

COURSE DYNAMICS

This course provides a comprehensive foundation in polymeric materials, combining theory and practical work. It covers polymer origin, synthesis and classification, macromolecular structure, phase transitions, additives, reinforcements and recycling. It also examines physical, thermal, mechanical and rheological properties, processing techniques and identification methods, including practical tests and technical data sheet analysis.

LANGUAGE

French

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Université de Lorraine

Topic area

Materials technology

Format

Lectures, workshops, laboratory work – 54hs

Level

Short course

Training certificate