

PU 102B: Rigid Polyurethane Foam Market Overview

Course Description:

This course provides a comprehensive introduction to the rigid polyurethane foam market, covering the fundamental chemistry, key raw materials, physical performance characteristics, and the wide range of commercial applications and processing technologies used in the industry.

Introduction

What is Rigid Foam?

Polyurethane Chemistry

Key Raw materials

- Isocyanates
- Polyols
- Surfactants
- Catalysts
- Blowing Agents

Physical Testing and Performance

- Flame Retardants and Flammability

Applications and Processing Technologies

- Pour-in-place
- Discontinuous Panels
- Continuous Panels
- Spray
- Bun-Stock
- Flotation
- Others