

## **PU 102A: Flexible Polyurethane Market Overview**

Flexible Polyurethane Foam Market

Polyurethane Chemistry Refresher

Foam Test Methods: How to Characterize

Raw Materials

- Polyols
- Isocyanates
- Surfactants
- Catalysts
- Additives
- Auxiliary Blowing Agents

Flexible Foam Processing

- Molded vs. Slabstock
- Conventional Slabstock
- CO<sub>2</sub> Foaming
- Variable Pressure Foaming
- Molded Foam

Types of Foam

- Conventional Foams
- High Resilience (HR) Foams
- Combustion Modified HR Foams (CMHR)
- High Load Bearing Foams
- Soft/Supersoft Foams
- Viscoelastic Foams
- Specialty Foams

Applications

- Bedding
- Furniture/Seating
- Carpet Cushion
- Transportation
- Technical Products