

PU 100: Introduction to the Polyurethane Industry

- Introduction
- Discovery & Historical Progression of Polyurethanes Versatile, Durable, Incredible Polyurethane
 - i. Polyurethane Types
 - ii. Polyurethane Products
- What are Polyurethanes?
 - i. What are polyols?
 - ii. What are isocyanates?
 - iii. How are the polymers formed?
 - iv. Polyol Additives
 - v. What makes Polyurethane a “foam”?
 - vi. Brief Summary of Blowing Agent Types and Function
- Overview of Basic Polyurethane Process Equipment
 - I. Storage and Supplemental Equipment
 - II. Froth and Spray Units
 - III. Low Pressure Metering Units
 - IV. High Pressure Metering Units
- Overview of Basic Mixing Technology
 - I. Static
 - II. Spray
 - III. Low Pressure – Dynamic
 - IV. High Pressure – Impingement
 - V. Typical Shot Functional Sequence
 - VI. Open Pour and Closed
- Overview of Basic Mixing Technology
- Requirements
- Auxiliary Equipment & Examples of Polyurethane Related Manufacturing
- Plants Other CPI Courses and Training Available