

PU100 Introduction to the Polyurethane Industry – Course Outline

Introduction

Discovery & Historical Progression of Polyurethanes

Versatile, Durable, Incredible Polyurethane

- Polyurethane Types
- Polyurethane Products

What are Polyurethanes?

- What are polyols?
- What are isocyanates?
- How are the polymers formed?
- Polyol Additives
- What makes Polyurethane a “foam”?
- Brief Summary of Blowing Agent Types and Function

Overview of Basic Polyurethane Process Equipment

- Storage and Supplemental Equipment
- Froth and Spray Units
- Low Pressure Metering Units
- High Pressure Metering Units

Overview of Basic Mixing Technology

- Static
- Spray
- Low Pressure – Dynamic
- High Pressure – Impingement
- Typical Shot Functional Sequence
- Open pour and Closed Pour

Basic Key Polyurethane Process Requirements

Auxiliary Equipment & Examples of Polyurethane Related Manufacturing Plants

Other CPI Courses and Training Available