

PU 201: Polyurethane Raw Materials Testing, Specifications and Performance: “The Myth and the Magic”

Introduction to Composites

- i. The urethane Chemical Reaction

Isocyanates (-NCO)

- i. Isocyanates Content as % NCO

Polyols

- i. Hydroxyl Content (-OH)

Other Isocyanate Methods

- i. Acid Number
- ii. Basicity as % Nitrogen
- iii. Water
- iv. Blended and Formulated Polyol Methods

Relationship between Testing and Specifications

Applications or Performance Testing

Conclusions and Open discussion