

**U-Nyte® Bond 101
Toughened Epoxy Binder**

Description: Phenoxy toughened epoxy resin, available in powder and flake form

Attributes

- High Tg
- Toughness
- Ductility
- Excellent thermal stability
- High cohesive and adhesive properties

Compatibility

- Vinyl ester
- Unsaturated polyester
- Epoxies
- Urethanes

Applications

- Preforms
- Nonwoven glass and carbon fiber mats
- Continuous strand mats
- In decorative epoxy/polyester
- Functional epoxy-based powder coatings
- Epoxy-based composites
- Adhesives
- Electronics

Typical Properties	
Viscosity* (cP)	1200 - 2000
Non-Volatiles (%)	100
Glass Transition Temperature (°C)	62 - 65
WPE	775 - 865
Particle Size (µm)	~ 200
Specific Gravity (g/mL)	1.2

*ICI cone/plate @ 175 °C

Technical Support: Hydrosize® Technologies, Inc. scientists have extensive knowledge and practical experience with binders and sizings, their application to fibers, and their influence on composite properties. Please do not hesitate to request our assistance. The test methods used to determine the reported properties are available upon request.

Storage: The product should be stored indoors in tightly closed containers away from heat sources and sunlight. U-Nyte® Bond 101 should be stored away from all sources of flame or combustion.

Safety: Read and understand the Material Safety Data Sheet before working with this product.

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