

**U-Nyte® Line 301
Fiber-Type Binder**

Description: Reactive thermoplastic binder in the form of a continuous monofilament fiber

Attributes

- Limits waste associated with powder
- Allows specific placement of binder
- High Tg
- Toughness
- Ductility
- Excellent thermal stability
- High cohesive and adhesive properties

Compatibility

- Vinyl ester
- Unsaturated polyester
- Epoxy
- Urethane

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* (Poise)	6,000
Non-Volatiles (%)	100
Glass Transition Temperature (°C)	100
Softening Temperature** (°C)	148
Fiber Diameter (mils)	11.8
Weight/Length (g/1000 m)	80 - 85
Specific Gravity (g/mL)	1.2

*Measured @ 168°C, 1000 l/s

**Determined by melt block method

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® Line 301 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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