

**Hydrosize® U10-01**  
**Water Soluble Polyurethane Solution**

**Description:** Solvent free, hazardous air pollutant (HAP) free, odorless aqueous polyurethane solution. This polyurethane sizing may be used as a replacement for epoxy sizings.

**Attributes**

- Soluble in water & styrene
- Stable at pH = 2 for 2 weeks
- Not a skin sensitizer
- Does not self cross-link on fibers during storage
- Excellent lubricity, fuzz reduction, & effective fiber spreading
- Excellent adhesion
- Good color and color stability
- Good shear stability

**Compatibility**

- Epoxies
- Unsaturated Polyesters
- Vinyl Esters
- Polyamides/Nylons

**Applications**

- Fiber reinforcements
- Ideal for continuous strand and long fiber reinforced composites
- SMC
- Adhesives
- Coatings
- Textiles

<b>Typical Properties</b>	
Viscosity (cP)	1000 – 10,000
Non-Volatiles (%)	28 – 32
pH	6.5 – 8.5
Stabilization Mechanism	Water soluble
Particle Size (µm)	N/A
Specific Gravity (g/mL)	1.05 – 1.15
Appearance	Translucent liquid
Flash Point (°C)	N/A

The test methods used to determine the reported properties are available upon request.

**Storage:** To ensure maximum stability and properties this dispersion should be stored between 5°C (41°F) and 35°C (95°F). PREVENT FREEZING. The product should be stored indoors in tightly closed containers away from heat sources and sunlight. If frozen, warm to room temperature and mix well before using. All storage areas should conform to local fire and building codes. Hydrosize® U10-01 should be stored away from all sources of flame or combustion.

**Standard Package:** Non-returnable, polypropylene or lined fiber drums of 450 lbs. net weight.

**Safety:** Hydrosize® U10-01 contains no unreacted isocyanate. Read and understand the Material Safety Data Sheet before working with this product.

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