

**Hydrosize® U3-X01
Polyurethane Dispersion**

Description: Solvent free, HAPs free (Hazardous Air Pollutant), odorless waterborne polyurethane dispersion

Attributes

- Small particle size
- Excellent adhesion
- Low modulus
- High elongation to break
- Good color and color stability
- Good shear stability
- Good pH stability

Compatibility

- Polyamide (Nylon)
- Polyesters (PBT, PET)
- Polypropylene
- Urethanes

Applications

- Fiber reinforcements
- Adhesives
- Coatings
- Textiles

Typical Properties	
Viscosity (cP)	50 - 1000
Non-Volatiles (%)	38 - 42
pH	6.5 – 8.5
Stabilization Mechanism	Anionic / Nonionic
Particle Size (µm)	< 2
Specific Gravity (g/mL)	1.05 – 1.15
Appearance	Opaque Dispersion
Flash Point (°C)	N/A

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: 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® U3-X01 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® U3-X01 contains no unreacted isocyanate. Read and understand the Material Safety Data Sheet before working with this product.

Hydrosize® Technologies, Inc. believes that the data contained herein is factual and is provided in good faith. However Hydrosize® Technologies, Inc. makes no representation as to its completeness or accuracy. Customers are encouraged to make their own determination as to the suitability of this product for their purpose prior to use. Hydrosize® Technologies, Inc. disclaims responsibility to damages of any kind resulting from the use of this information. There are no warranties or representations, express or implied, including those of merchantability or fitness for a particular purpose with respect to this information or to the product it describes. The exclusive remedy for all proven claims is replacement of our materials, and in no event shall we be liable for special, incidental, or consequential damages.