

**Hydrosize® HP3-02**  
**High Performance Dispersion**

**Description:** Modified Phenoxy (aromatic poly(hydroxy ether)) dispersion

**Attributes**

- FDA-approved for food contact
- Formulated for pH stability
- High Tg
- Excellent adhesion
- Can be used as thermoplastic or crosslinked to form a thermoset network

**Compatibility**

- Thermoplastic polyester
- High temperature nylon
- Polycarbonate
- PPS
- Vinyl ester
- Unsaturated polyester
- Epoxy

**Applications**

- Fiber reinforcements
- Adhesives
- Coatings
- Textiles

<b>Typical Properties</b>	
Viscosity (cP)	500 – 4000
Non-Volatiles (%)	32 ± 1
Glass Transition Temperature (°C)	92
pH	6.5 – 8.5
Stabilization Mechanism	Anionic / Nonionic
Particle Size (µm)	< 3
Specific Gravity (g/mL)	1.06
Particle Size (µm)	< 0.5
Appearance	White Liquid
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 20°C (68°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® HP3-02 should be stored away from all sources of flame or combustion.

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

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

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