

**DESCRIPTION:** Very stiff, aliphatic polyether based, water-borne urethane dispersion.

**SUGGESTED USES:** **HD-4669** was designed for use in textile applications as a finish or coating. This very stiff urethane is ideally suited for use as a finish for pleated shades and vertical blinds. **HD-4669** provides the excellent moldability and pleat retention required for this application. The addition of **HD-4664** is suggested when extra flexibility is needed. Due to its aliphatic composition, excellent UV resistance is also exhibited.

**CHARACTERISTICS:**

- \* Co-solvent free
- \* Most economical, high performance resin.
- \* Excellent UV Resistance.
- \* Excellent abrasion resistance.
- \* Excellent mar resistance.
- \* High melting point (365 °F).

**APPLICATION:** Spray or pad -- solids may be adjusted for optimum add-on. May be thickened with **HA-920** for knife coating.

**CURING:** Excellent strength properties as supplied. Melamine-formaldehyde (3 - 6 phr) provides improved performance. Aziridine and isocyanate crosslinkers (3 - 6 phr) provides maximum performance.

PHYSICAL PROPERTIES		TENSILE PROPERTIES
<b>SOLIDS:</b>	40%	(Tested at 20 inches/minute)
<b>VISCOSITY:</b>	50-150 cps	<b>ELONGATION:</b> 270%
<b>pH:</b>	7.0-9.0	<b>ULT. TENS. STR.</b> >6300 PSI
<b>DENSITY:</b>	8.7 lb/gal	<b>100% MODULUS:</b> 3600 PSI
<b>MELT POINT:</b>	365 °F	<b>200% MODULUS:</b> 5200 PSI
<b>VOC Content</b>	0.12 lbs/gal(As supplied)	<b>300% MODULUS:</b> NA

**SPECIAL NOTE:** Mix well before removing product from containers. Container lids must be re-sealed tightly with the plastic header film after each use.

**STORAGE STABILITY:** The product must be stored in a controlled environment between 5 – 40°C and protected from direct exposure to sunlight. Shelf-life is 1 year from manufacture date (see lot # for date).

*This information is believed to be accurate but is not guaranteed and we assume no legal responsibility for its accuracy. User should test the product to determine its suitability for their particular purpose. Nothing presented here is to be construed as a recommendation or inducement to use our product. We shall not be liable for any claims for damages, whether based on contract, negligence, and strict liability in tort or otherwise. Our products are sold without any implied warranty of merchantability or fitness for a particular purpose.*

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