

DESCRIPTION: Solvent-free, soft, aliphatic, polyether-based, water-borne urethane dispersion.
SUGGESTED USES: **HD-2024** was designed for use as a cost effective urethane for use in coatings or finishes for textile fabrics. This unique urethane dispersion is manufactured at high solids and without the use of solvent. **HD-2024** is well suited for use as a strength additive for acrylic polymers. Whether used alone or as a strength additive, **HD-2024** provides increased strength, anti-fray, and abrasion resistance properties at an affordable price.

CHARACTERISTICS:

Solvent-free and high solid
Excellent cost/performance ratio.
Soft, tough, flexible, dry film.
Excellent UV Resistance.
Excellent low temperature flex crack resistance.
Very good abrasion resistance.

APPLICATION: Spray or pad -- solids may be adjusted for optimum add-on. May be thickened with **HA-921** for knife coating.

CURING: Excellent strength properties as supplied. Melamine-formaldehyde (3 - 6 phr) provides improved performance.

<u>PHYSICAL PROPERTIES</u>		<u>TENSILE PROPERTIES</u>
SOLIDS:	45%(+/- 1%)	(Tested at 20 inches/minute)
VISCOSITY:	50-500 cps	ELONGATION: 750%
pH:	7.0-9.5	ULT. TENS. STR. 4000 PSI
DENSITY:	8.8 lb/gal	100% MODULUS: 480 PSI
MELT POINT:	325 F	200% MODULUS: 680 PSI
V.O.C. CONTENT	0.8% (As supplied)	300% MODULUS: 890 PSI

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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