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## Hauthane HD-2001

- DESCRIPTION:** Soft, aliphatic, water-borne urethane dispersion.
- SUGGESTED USES:** **HD-2001** was designed for use in textile applications that require a soft hand coupled with very good strength, abrasion resistance, excellent adhesion, and excellent resiliency. Due to its overall properties, **HD-2001** can be used as a finish or a coating. This versatile urethane is ideally suited for use as a finish for nylon and polyester threads and as a coating for nylon and vinyl substrates. **HD-2001** is also ideally suited for textile-coating applications that require excellent low temperature flex crack resistance. The low melt temperature also allows **HD-2001** to be used as a heat seal coating. When properly formulated, **HD-2001** can be used as a coating for awning fabrics, boat cover fabrics, and other architectural fabrics.
- CHARACTERISTICS:** Superior flexibility  
Soft, tough, flexible film  
Excellent UV resistance  
Good abrasion resistance  
Superior low temperature, flex-crack resistance  
Low melting point (265°F)
- APPLICATION:** Spray or pad -- solids may be adjusted for optimum add-on.  
May be thickened with HA-921 for knife coating.
- CURING:** No crosslinking suggested for heat seal coatings.  
Melamine-formaldehyde (3 - 6 phr) provides improved performance.

### PHYSICAL PROPERTIES

<b>SOLIDS:</b>	40.0%
<b>VISCOSITY:</b>	50-500 cps
<b>pH:</b>	7.5-10.0
<b>DENSITY:</b>	8.9 lb/gal
<b>MELT POINT:</b>	265°F
<b>V.O.C. (weight % as supplied):</b>	13.8%

### TENSILE PROPERTIES

	(Tested at 20 inches/minute)
<b>ELONGATION:</b>	550 %
<b>ULT. TENS. STR.</b>	4,000 psi
<b>100% MODULUS:</b>	500 psi
<b>200% MODULUS:</b>	900 psi
<b>300% MODULUS:</b>	1,500 psi