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Hauthane HD-2001 DMM

DESCRIPTION: Soft, aliphatic, water-borne polyurethane dispersion in a blend of DMM and propylene glycol solvents.

SUGGESTED USES: **HD-2001 DMM** 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 DMM** 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 DMM** is also ideally suited for textile-coating applications that require excellent low temperature flex crack resistance. The low melt temperature also allows **HD-2001 DMM** to be used as a heat seal coating. When properly formulated, **HD-2001 DMM** can be used as a coating for awning fabrics, boat cover fabrics, and other architectural fabrics.

CHARACTERISTICS: NMP-free, APEO-free
Superior flexibility
Soft, tough, flexible film
Good abrasion resistance
Superior low temperature, flex-crack resistance
Low melting point (265°F)

APPLICATION: **HD-2001 DMM** may be used as a sole vehicle or blended with acrylic emulsions. Viscosity modification can be made with associative thickeners for application by spray, knife-over-roll, or other methods.

CURING: Typical oven drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties. Do not use crosslinking agents for heat-seal coating applications.

PHYSICAL PROPERTIES

SOLIDS	35% (±1%)
VISCOSITY	50-500 cps
pH	7.5-10.0
DENSITY	8.9 lb/gal
SOFTENING POINT	265°F
VOC CONTENT	129 g/l (as

supplied)

TENSILE PROPERTIES

(Tested at 20 inches/minute)	
ELONGATION	550 %
TENSILE STRENGTH	4,000 psi
100% MODULUS	500 psi
200% MODULUS	900 psi
300% MODULUS	1,500 psi

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