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Hauthane HD-4638 DMM

DESCRIPTION: A soft, NMP-free, APEO-free, aliphatic, water-borne, polyurethane dispersion.

SUGGESTED USES: **HD-4638 DMM** was designed for use in textile applications as a versatile polyurethane coating. Due to its overall properties, **HD-4638 DMM** can be used as a finish or a coating for many textile applications. This product is ideally suited for use as an anti-fray finish on textile fabrics that must have a soft hand. **HD-4638 DMM** is also suitable for textile coating applications that require excellent low temperature flexibility and crack resistance.

CHARACTERISTICS: Forms soft, flexible, dry films
Excellent UV-resistance
Good abrasion resistance
Superior low temperature flexibility and crack resistance
High melting point (320°F)
Contains dipropylene glycol dimethyl ether (DMM) co-solvent

APPLICATION: Spray or pad -- solids may be adjusted for optimum add-on. Rheology may be modified with associative thickeners for knife coating applications.

CURING: **HD-4638 DMM** will form a film at ambient temperatures. Typical oven drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.

PHYSICAL PROPERTIES

SOLIDS	35% (±1%)
VISCOSITY	50-500 cps
pH	7.5-10.0
DENSITY	8.7 lbs/gal
SOFTENING POINT	320°F
VOC CONTENT	38 g/l (as supplied)

TENSILE PROPERTIES

(Tested at 20 inches/minute)	
ELONGATION	600 %
ULT. TENSILE STR.	3000 psi
100% MODULUS	770 psi
200% MODULUS	1050 psi
300% MODULUS	1380 psi