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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

*HD-4638 DMMtl*

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

## **TENSILE PROPERTIES**

(Tested at 20 inches/minute)

<b>ELONGATION</b>	600 %
<b>ULT. TENSILE STR.</b>	3000 psi
<b>100% MODULUS</b>	770 psi
<b>200% MODULUS</b>	1050 psi
<b>300% MODULUS</b>	1380 psi

*Revised 6/21*