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## Hauthane HD-4638

- DESCRIPTION:** Soft, aliphatic, water-borne, polyurethane dispersion.
- SUGGESTED USES:** **HD-4638** was designed for use in textile applications as a versatile polyurethane coating. Due to its overall properties, **HD-4638** 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** is also suitable for textile coating applications that require excellent low temperature flexibility and crack resistance.
- CHARACTERISTICS:** Superior flexibility  
Soft, tough, flexible, dry film  
Excellent UV resistance  
Very good abrasion resistance  
Superior low temperature flexibility and crack resistance  
High melting point (320°F)  
Good strength properties
- APPLICATION:** Spray or pad -- solids may be adjusted for optimum add-on. May be thickened with HA-900 for knife coating.
- CURING:** Excellent strength properties as supplied. Melamine-formaldehyde crosslinkers, such as HA-808 (3 - 6 phr), will provide improved performance.

### PHYSICAL PROPERTIES

<b>SOLIDS:</b>	38.0%
<b>VISCOSITY:</b>	50-500 cps
<b>pH:</b>	7.5-10.0
<b>DENSITY:</b>	8.7 lb/gal
<b>MELT POINT:</b>	320°F
<b>VOC CONTENT</b>	0.13 lbs/gal

### TENSILE PROPERTIES

	(Tested at 20 inches/minute)
<b>ELONGATION:</b>	600 %
<b>ULT. TENSILE STR.</b>	3,000 psi
<b>100% MODULUS:</b>	770 psi
<b>200% MODULUS:</b>	1050 psi
<b>300% MODULUS:</b>	1380 psi