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## Hauthane HD-2101

- DESCRIPTION:** A soft, aliphatic, polyester-based, aqueous polyurethane dispersion.
- SUGGESTED USES:** **HD-2101** was designed primarily for use on flexible substrates as a coating, saturant or impregnant.
- CHARACTERISTICS:**
- < Outstanding toughness and abrasion resistance
  - < Excellent water and chemical resistance
  - < Exceptionally high melting point for a medium soft polymer
  - < Can be crosslinked to enhance performance
  - < Dilution and clean-up with ordinary tap water
  - < Contains n-methyl pyrrolidone (NMP) co-solvent
- APPLICATION:** **HD-2101** can be used as a sole vehicle or blended with harder polyurethane dispersions or acrylic emulsions for spray or rotogravure applications. Rheology modifications can be made with associative thickeners for alternative application methods.
- CURING:** **HD-2101** can be air dried, if desired, depending on film thickness. Typical drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.

### PHYSICAL PROPERTIES

<b>SOLIDS</b>	40% ( $\pm 1\%$ )
<b>VISCOSITY</b>	75-200 cps
<b>pH</b>	8.5-10.0
<b>DENSITY</b>	8.8 lbs/gal
<b>SOFTENING POINT</b>	325°F
<b>VOC CONTENT</b>	145 g/l (as supplied)
<b>SWARD HARDNESS</b>	10

### TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)	
<b>ELONGATION</b>	500%
<b>TENSILE STRENGTH</b>	>5000 psi
<b>100% MODULUS</b>	700 psi
<b>200% MODULUS</b>	1100 psi
<b>300% MODULUS</b>	2000 psi