

Hauthane HD-3011

- DESCRIPTION:** A low cost, aromatic, polyether-based, aqueous polyurethane dispersion.
- SUGGESTED USES:** **HD-3011** is a highly versatile coatings and adhesive polymer for applications where lightfastness is not critical. Its dry surface and high melting point properties prevent blocking problems. Excellent for use as a solvent (MEK) reactivate-able adhesive for bonding and laminating applications. Compatible with acrylic and other aqueous polymers for optimum cost/performance balance.
- CHARACTERISTICS:**
- < Medium soft, tough, flexible film
 - < Unusually dry surface for non-blocking applications
 - < High melting for thermal stability
 - < Can be crosslinked with melamines or aziridines for true thermoset character and increased adhesion.
 - < Excellent hydrolytic stability
 - < Contains n-methyl pyrrolidone (NMP) co-solvent
- APPLICATION:** **HD-3011** can be used as a sole vehicle or blended with acrylic emulsions for spray, dip, or rotogravure applications. It can be thickened with associative thickeners for alternative application methods.
- CURING:** **HD-3011** can be air dried at ambient room temperatures. Typical drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.

PHYSICAL PROPERTIES

SOLIDS	35% ($\pm 1\%$)
VISCOSITY	50-200 cps
pH	7.0-9.5
DENSITY	8.4 lbs/gal
SOFTENING POINT	300°F
VOC CONTENT	62 g/l (as supplied)
SWARD HARDNESS	12

TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)	
ELONGATION	450%
TENSILE STRENGTH	>4000 psi
100% MODULUS	1100 psi
200% MODULUS	1600 psi
300% MODULUS	2000 psi