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Hauthane HD-2334

DESCRIPTION: Co-solvent free, high solids, flame-retardant, aliphatic, polyurethane dispersion.

SUGGESTED USES: **HD-2334** was designed for use as a coating or finish for synthetic textile fabrics that must have permanent flame-retardancy. Low add-on levels of **HD-2334** will enable synthetic fabrics to pass various FR tests including NFPA-701, MVSS-302 and others. The film properties of **HD-2334** also provide a stiff hand and excellent molding/pleating properties. Due to its aliphatic composition, excellent UV resistance is also exhibited.

CHARACTERISTICS:

- < Permanent, non-leaching flame-retardancy
- < Contains no co-solvent
- < Good UV resistance
- < Stiff, tough, flexible, dry film
- < High melting point (340°F)
- < Good low temperature flexibility and crack resistance

APPLICATION: Spray or pad -- solids may be adjusted for optimum add-on. May be thickened with HA-900 for alternative application methods.

CURING: **HD-2334** may be air-dried. Typical drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties. Enhanced properties may be attained through the use of various crosslinkers.

PHYSICAL PROPERTIES

SOLIDS	45% (±1%)
VISCOSITY	50-500 cps
pH	6.5-9.5
DENSITY	9.1 lbs/gal
SOFTENING POINT	340°F
VOC CONTENT	12 g/l (as supplied)

TENSILE PROPERTIES

(Tested at 2 inches/minute)	
ELONGATION	245 %
ULT. TENS. STR.	3,750 psi
100% MODULUS	2,600 psi
200% MODULUS	3,250 psi
300% MODULUS	N/A