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Hauthane L-3645

DESCRIPTION: A NMP-free, TEA-free, aliphatic, silicone-modified, polyester-based, water-borne polyurethane dispersion.

SUGGESTED USES: L-3645 was designed primarily for topcoat applications where slip and abrasion resistance properties are required. L-3645 contains a non-fugitive silicone component that provides low surface tension characteristics on flexible and rigid substrates including leather, plastics, metals and textiles. It also demonstrates exceptional dye transfer resistance in automotive leather seating and dry-erase, white board applications when crosslinked.

CHARACTERISTICS:

- May be formulated into low surface tension coatings
- Exceptional dye transfer resistance

Excellent abrasion resistance
Higher silicone content (~2X) than HD-2602
Crosslinkable for improved adhesion and performance
Contains dipropylene glycol dimethylether (DMM) and dipropylene glycol monomethyl ether (DPM) co-solvent

APPLICATION: L-3645 may be used as a sole vehicle or blended with acrylic emulsions for spray or rotogravure applications. Rheology modifications can be made with associative thickeners for alternative application methods.

DRYING: L-3645 can be air dried, if desired, depending on film thickness. Typical oven drying temperatures and dwell times for aqueous coatings are sufficient to produce optimal film properties.

PHYSICAL PROPERTIES*

SOLIDS 35% ($\pm 1\%$)
VISCOSITY

pH 7.0-9.5
DENSITY 8.7 lbs/gal
SOFTENING POINT 305°F
VOC CONTENT

94 g/l (as supplied)
NA

TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)
50-500 cps

ELONGATION
300%

TENSILE STRENGTH >6000 psi
100% MODULUS 3000 psi
200% MODULUS 4500 psi
300% MODULUS

SWARD HARDNESS 35

226 g/l (less water)

***Provisional specifications**

L-3645cl

Revised 7/15