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Hauthane L-4143 Provisional Data Sheet

DESCRIPTION: A soft, co-solvent free, halogen-free, flame retardant, aliphatic, polyurethane dispersion.

SUGGESTED USES: L-4143 was designed for use as a coating or finish for synthetic textile fabrics that must have permanent flame retardancy.

CHARACTERISTICS:

- < Co-solvent free
- < Soft hand
- < Halogen-free
- ☐ Excellent cost/performance ratio
- ☐ Forms soft, flexible, dry films
- ☐ Excellent low temperature flex crack resistance

APPLICATION: L-4143 may be sprayed or pad applied as supplied. Rheology may be modified with alkali-swellable or associative thickeners for alternative application methods.

CURING: This product displays excellent strength properties as supplied, but the use of a crosslinker such as melamine-formaldehyde (3-6 phr) for elevated temperature-curing or carbodiimide for low temperature-curing may be added to enhance performance.

PHYSICAL PROPERTIES

SOLIDS 45% (±1%)
VISCOSITY

pH 7.0-9.5
DENSITY 1.03
SOFTENING POINT 250°F
VOC CONTENT

10 g/l (as supplied)

TENSILE PROPERTIES*

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

ELONGATION
570 %
TENSILE STRENGTH 1,000 psi
100% MODULUS 580 psi
200% MODULUS 725 psi

*Provisional tensile properties

L-4143cl

Revised 02/23