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Hauthane L-3192

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

SUGGESTED USES: **L-3192** was designed for use as a coating or finish for synthetic textile fabrics that must have permanent flame retardancy. This unique urethane dispersion is manufactured at high solids and without the use of solvent. Low add-on levels of **L-3192** will enable synthetic fabrics to pass various FR tests including NFPA-701 and MVSS-302. **L-3192** is well suited for use in textile coatings, such as automotive upholstery, that require outstanding strength and flame retardancy. Using **L-3192**, a coating can be formulated to pass MVSS-302 and maintain required strength properties at a much lower coating weight than conventional coatings. This results in a much softer hand and possible cost savings.

CHARACTERISTICS:

- < Permanent, non-leaching flame retardancy
- < Halogen-free
- < Excellent cost/performance ratio
- < Soft, tough, flexible, dry film
- < Excellent low temperature flex crack resistance
- < Contains n-methyl pyrrolidone (NMP)

APPLICATION: **L-3192** 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, although melamine-formaldehyde (3-6 phr) may be added to enhance performance.

PHYSICAL PROPERTIES

SOLIDS	35% ($\pm 1\%$)
VISCOSITY	50-500 cps
pH	6.0-10.0
DENSITY	8.6 lbs/gal
SOFTENING POINT	250° F
VOC CONTENT	41 g/l (as supplied)

TENSILE PROPERTIES

(TESTED AT 20 INCHES/MINUTE)	
ELONGATION	560 %
TENSILE STRENGTH	>1050 psi
100% MODULUS	620 psi
200% MODULUS	690 psi