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## Hauthane L-3808

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

**SUGGESTED USES:** **L-3808** 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-3808** will enable synthetic fabrics to pass various FR tests including NFPA-701 and MVSS-302. **L-3808** is well suited for use in textile coatings, such as automotive upholstery, that require outstanding strength and flame retardancy. Using **L-3808**, 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-butyl-2-azacyclopentanone co-solvent

**APPLICATION:** **L-3808** 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** 35% (±1%)  
**VISCOSITY**

**pH** 6.0-10.0  
**DENSITY** 1.03

### TENSILE PROPERTIES

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

**ELONGATION**  
560 %  
**TENSILE STRENGTH** 1,015 psi  
**100% MODULUS** 580 psi

**SOFTENING POINT** 250° F  
**VOC CONTENT**

41 g/l (as supplied)

**200% MODULUS**

725 psi

*L-3808cl*

*Revised 06/21*