



DATA SHEET

AN ALIPHATIC WATERBORNE POLYURETHANE

Flex Clear is a solvent free, hard and solvent resistant, aliphatic polyurethane dispersion. This versatile coating finds use in rigid coatings for hard surfaces such as wood, tiles and concrete.

Key Features

- High Hardness
- Abrasion Resistance
- Chemical Resistance
- Flexibility

Typical Properties* of Flex Clear

Appearance
 Solids
 Viscosity (Bookfield-LVF-72°F)
 pH
 Flash Point (Setaflash CC)
 Weight/Gal
 VOC
 Solvent
 TSCA Status

Specifications

Blue-White Liquid
 35 +/- 2%
 30-300 cps
 7.0 - 8.5
 None
 8.82 lbs.
 < 0.40 lb./gal. (< 48g/l)
 Triethylamine, <1.5%
 All components listed on TSCA Inventory

* Typical properties should not be construed as a product specification. The product properties as received may vary.

Physical Properties of Clear Films (Cured 14 days at ambient conditions)

100% Modulus	5000 psi
Tensile Strength	7000 psi
Elongation	200 %
Sward Hardness	50

Crosslinking: For maximum performance of the polyurethane film, incorporation of a crosslinker such as aziridine is recommended. Polyfunctional aziridine compound such PFAZ-322 is used for low temperature curing conditions. Best results are usually achieved when the crosslinker is added at 1.5-3.0% on total formula weight.

The data presented is the result of careful and extensive research. However, since the actual conditions under which the materials may be used are beyond our control, no warranty of any kind, expressed or implied, concerning the use of the product is made.



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