

Lip Seal

EPOXY ADHESIVE

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Lip Seal is a clear, near transparent, medium viscosity epoxy adhesive formulation developed for rigid laminating, sealing and bonding applications where the combination of good wetting plus improved mechanical electrical properties is required. This two-part liquid epoxy adhesive contains no solvents and is easy to mix, use and apply at room temperature. Lip Seal develops strong, rigid, high performance bonds to itself and to ceramics, glass and glass fabrics, metals, laminates and other composite materials, forestry and masonry products, and to most rigid plastics. Fully cured Lip Seal is an effective electrical insulator, and further provides excellent resistance to weather, galvanic action, vapors, JP4 fuel, gasoline, lubricants and other petroleum products, mild acids and alkalis, salts, and other organic and inorganic compounds.

PROPERTIES

Color Clear, Transparent

Specific gravity, mixed 1.21

Viscosity, cps, mixed ((after mixing) @ 25°C) 12000

Thixotropic index 1

Operating temperature range, °C -60/125

Hardness, Shore D 87

Mix ratio, pbw, Resin/Hardener 100/25

Coefficient of expansion, cm/cm/°C 0.000052

Impact, izod, ft. lbs/inch of notch 0.2

Dielectric strength, volts/mil 420

Dielectric constant (1 KHz @ 25°C) 4.1

Dissipation factor (1 KHz @ 25°C) 0.02

Volume resistivity, ohm-cm @ 25°C 6000000000000

Volume resistivity, ohm-cm @ 25°C (ohm-cm @ 100°C) 9800000000

Reactive solids contents, % 100

Outgassing, NASA Passes

CURE SCHEDULE

24 hours @ 25°C or

4 hours @ 65°C

POT LIFE

20 minutes