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RenShape[®]
solutions
HUNTSMAN

Product Data

Preliminary

RenLam[®] 43

A MEDIUM VISCOSITY, UNMODIFIED LIQUID EPOXY RESIN

DESCRIPTION: RenLam 43 is a general purpose unmodified liquid epoxy resin applied widely in cold or heat cured systems. It has become a standard from which a great number of variations have been developed.

CHEMICAL DESCRIPTION:

RenLam 43 is an unmodified liquid epoxy resin based on bisphenol A and epichlorohydrin.

ADVANTAGES:

- Superior mechanical and electrical properties
- Excellent chemical resistance
- Good heat resistance
- Excellent adhesion
- Outstanding versatility
- Easy to cure with a variety of different type hardeners
- Compatible with many different fillers, diluents and accelerators
- Conforms to FDA listings for adhesives, coatings and articles

APPLICATIONS :

Coatings

Electrical

Civil Engineering

Matrix

Adhesives

TYPICAL HANDLING PROPERTIES*	ASTM Method	Value
Color	Gardner	1 max.
Mixed Viscosity, cP	D-2393	11,000–14,000
Epoxy value, eq/100g		0.52–0.55
Weight per epoxide, g/eq		182–192
Hydrolyzable Chlorine		400–700
Weight per gallon, lbs.		9.6–9.8
Flash point, closed cup, °F (°C)		490 (254)

NOTE: These physical properties are reported as typical test values obtained by our test laboratory. If assistance is needed in establishing product specifications, please consult with our Product Management Department.

* Tested @ 77°F (25°C) unless otherwise noted.

SAFETY: Do not use or handle this product until the Material Safety Data Sheet has been read and understood.

RenLam 43

WARNING! Can cause skin irritation, eye irritation, and allergic skin reaction. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Nuisance dust may be generated when sanding or sawing cured material.

FIRST AID: In case of contact with:

Skin: Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes.

Eyes: Immediately flush with water for at least 15 minutes. Call a physician.

Ingestion: If conscious, give plenty of water to drink. Do not induce vomiting. Call a physician.

Inhalation: Remove to fresh air. Administer oxygen or artificial respiration if necessary. Call a physician.

Other: Referral to physician is recommended if there is any question about the seriousness of any injury.

IMPORTANT LEGAL NOTICE:

Sales of a referenced product ("Product") are subject to the general terms and conditions of sale of Huntsman Advanced Materials Americas Inc. ("Huntsman").

WARRANTY: Huntsman warrants to the Buyer that the Product will conform to the published specifications for that Product at the time of manufacture.

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WARNING: Technical data and results are based upon tests under controlled laboratory conditions and must be confirmed by Buyer by testing for its intended conditions of use. The Product has not been tested for, and therefore is not recommended or suitable for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended or likely, or for uses for which implantation within the human body is intended, and Huntsman assumes no liability for any such uses.

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