

An Emerald Performance Materials Company

HyPox™ RA95
Bisphenol A Epoxy Resin Modified CTBN Elastomer
Bisphenol A Epoxy Resin
Nitrile Rubber Modified Epoxy Resin

DESCRIPTION

HyPox RA95 is a high viscosity, Bisphenol A epoxy resin modified butadiene-acrylonitrile elastomer. Based on a solid CTBN elastomer, HyPox RA95 combines epoxy functionality with toughness and impact resistance. Unlike modifications made with liquid rubber elastomers, HyPox RA95 exhibits higher temperature performance and greater green strength, making it ideal for film adhesives possessing greater creep resistance over higher temperatures than resins based on liquid elastomers. HyPox RA95 is excellent for 100% solids adhesives, composites, and coatings. Blends of HyPox RA95 with most standard epoxy resins are possible and it can be cured with all standard curing agents suitable for epoxy resins. Cure speed is comparable to standard liquid Bisphenol A epoxy resins.

APPLICATIONS

- High Temperature Encapsulants/Adhesives
- Prepregs and Composites
- Impact Resistance Coatings
- Toughener for Epoxy Novolacs

TYPICAL PROPERTIES

Appearance	Clear to Slightly Hazy, Clean
Viscosity @ 52°C, cps	15,000-30,000
Epoxy Equivalent Weight, g/eq	195 - 210
Gardner Color, max	4
Residual Epichlorohydrin, max ppm	10
Weight per Gallon @ 25°C, lbs.	9 ± 0.1
Flash Point, COC, °C (°F)	>250 (>480)

HEALTH & SAFETY PRECAUTIONS

HyPox RA95 is not a primary skin irritant and sensitizer. Like any epoxy material, irritation can result from repeated or prolonged contact. The symptoms of this irritation may appear as a mild reddening to a more pronounced rash. It is, therefore, important to avoid skin contact where possible. Rubber gloves and full eye protection are recommended along with protective clothing.

Refer to the **CVC Thermoset Specialties** Material Safety Data Sheet on HyPox RA95 for additional safety and handling information. The MSDS is revised as new data becomes available.

PACKAGING & AVAILABILITY

HyPox RA95 is available in 55 gal. non-returnable open head steel drums (net weight 450 lbs.) and 5 gallon open head plastic pails (net 45 lbs.) Bulk deliveries are not available. Drum inventory is available at most CVC regional warehouses. Check with your local sales representative for the shipping location nearest you.



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