

HyPox[®] RA95

High Nitrile CTBN Toughened BADGE Resin
CAS No. 25068-38-6

DESCRIPTION

HyPox RA95 is a high-viscosity bisphenol A epoxy resin toughened butadiene-acrylonitrile elastomer. Based on a solid CTBN elastomer, HyPox RA95 combines epoxy functionality with toughness and impact resistance. HyPox RA95 exhibits higher temperature performance and greater green strength than epoxy toughened with liquid CTBN. It is ideal for film adhesives possessing greater creep resistance over higher temperatures than resins based on liquid elastomers.

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

HyPox RA95 is excellent for 100% solids adhesives, composites, and coatings. It improves tack in prepregs and adhesives.

- High-temperature encapsulants/adhesives
- Prepregs and composites
- Impact resistance coatings
- Toughener for epoxy novolacs

TYPICAL PROPERTIES

Appearance	Clear to Slightly Hazy, Clean
Viscosity @25 °C, cps	150,000 – 550,000
Viscosity @ 52 °C, cps	15,000 – 30,000
Epoxide Equivalent Weight, g/eq	195 – 210
Gardner Color, max	4
Weight per Gallon @ 25 °C, lb.	9 ± 0.1
Flash Point, COC, °C (°F)	>250 (>480)
CTBN content, %	5

PACKAGING & AVAILABILITY

HyPox RA95 is available in 55 gal. non-returnable open head steel drums (450 lb. net) and 5 gal. open head plastic pails (45 lb. net). Bulk deliveries are not available.

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 Safety Data Sheet on HyPox RA95 for additional safety and handling information.

DISCLAIMER

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