

HyPoxTM RA840
(Diglycidyl Ether of Bisphenol A
Modified with a CTBN Elastomer

DESCRIPTION

HyPox RA840 is a high viscosity adduct of the diglycidyl ether of Bisphenol A (DGEBA) and a butadiene-acrylonitrile (CTBN) elastomer. The elastomer improves the toughness, impact, thermal shock and peel resistance of the DGEBA resin. These improvements are attained with little loss of thermal resistance and modulus.

HyPox RA840 is suggested for use as a toughener in fiber reinforced products, adhesives, molding compounds, potting and encapsulating compounds and chemical resistant coatings. HyPox RA840 can be blended with other epoxy resins to achieve the degree of toughening required.

APPLICATIONS

- ☐ Molding Compounds
- ☐ Adhesives
- ☐ Impact Resistance Coatings
- ☐ Toughening of Prepregs and Composites

TYPICAL PROPERTIES

Appearance	Clear, Clean
Viscosity @ 25°C, cps	150,000-230,000
Epoxide Equivalent Weight, g/eq	325 - 360
Gardner Color, max	10
Weight per Gallon, @ 25°C, lbs.	8.9 ± 0.1
Flash Point, COC, °C (°F)	>200 (>400)

HEALTH & SAFETY PRECAUTIONS

HyPox RA840 is not a primary skin irritant or sensitizer. However, as with any epoxy material, irritation can result from repeated or prolonged contact. The symptoms of this irritation may appear as a mild reddening or a more pronounced rash. It is, therefore, important to avoid skin contact where possible. Butyl rubber gloves, full eye protection and protective clothing are recommended.

Refer to the **CVC Thermoset Specialties** Material Safety Data Sheet on HyPox RA840 for additional safety and handling information. The MSDS is revised as new data becomes available.

PACKAGING & AVAILABILITY

HyPox RA840 is available in 55 gal. non-returnable open head steel drums (net weight 450 lbs.) and 5 gal. plastic pails (45 lbs. net). Bulk shipments are available with adequate lead-time. 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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HyPox™ RA840

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