

HYPOX® RA1340 CTBN-Toughened DGEBA Adduct

Product Description

HYPOX® RA1340 is a high-viscosity adduct of the diglycidyl ether of bisphenol A (DGEBA) and a butadiene-acrylonitrile (CTBN) elastomer. The elastomer improves the toughness and impact, thermal shock and peel resistance of the epoxy formulation. These improvements are attained with little loss of thermal resistance and modulus. HYPOX® RA1340 adduct is compatible with all standard epoxy resins and curing agents.

Applications

HYPOX® RA1340 adduct is suggested for use as a toughener in fiber-reinforced products, adhesives, molding compounds, potting and encapsulating compounds and chemical-resistant coatings.

- Molding compounds
- Industrial Adhesives
- Impact resistance coatings
- Thermocycling modifier for epoxies
- Toughening of prepreg, composites and structural adhesives

Typical Properties

Property	HYPOX® RA1340
Appearance	Clear, Clean
Viscosity at 25°C, cP	300,000 – 600,000
Epoxide Equivalent Weight, g/eq	325 – 375
Gardner Color, max	10
Weight per Gallon at 25°C, lb.	9.0 ± 0.2
Flash Point, COC, °C (°F)	>204 (>400)
CTBN content, %	40% HYPRO® 1300X13

Storage

HYPOX® RA1340 adduct should be stored in a dry place, in the sealed original containers, at temperatures between **+2°C and +40°C (+35.6°F and +104°F)**. Under these storage conditions, the product has a shelf life of **12 months** (from date of manufacture). The products should not be exposed to direct sunlight.

Precautionary Statement

Huntsman Advanced Materials Americas LLC maintains up-to-date Safety Data Sheets (SDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest SDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!

Refer to SDS as mentioned above.

KEEP OUT OF REACH OF CHILDREN

FOR PROFESSIONAL AND INDUSTRIAL USE ONLY

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