

## HYPOX® RA840 CTBN-Toughened BADGE Adduct

### Product 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 and impact, thermal shock and peel resistance of the epoxy formulation. These improvements are attained with little loss of thermal resistance and modulus.

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

### Applications

- Molding compounds
- Industrial Adhesives
- Impact resistance coatings
- Toughening of prepregs, composites, and structural adhesives

### Typical Properties

Property	HYPOX® RA840
Appearance	Clear, Clean
Viscosity at 25°C, cP	150,000 – 230,000
Epoxide Equivalent Weight, g/eq	325 – 360
Gardner Color, max	10
Weight per Gallon at 25°C, lb.	8.9 ± 0.1
Flash Point, COC, °C (°F)	>200 (>400)
CTBN content, %	40% HYPRO® 1300X8

## Storage

**HYPOX® RA840** 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**

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