

# ERISYS® GE-35 Low-Viscosity Flexibilizing Epoxy Resin (Castor Oil Triglycidyl Ether)

## Product Description

ERISYS® GE-35 resin is a triglycidyl ether of castor oil. It is a low-viscosity polyepoxide resin that imparts flexibility, impact resistance and thermal shock resistance to epoxy formulations. ERISYS® GE-35 resin is universally compatible with standard bisphenol-A epoxy resins. It has a low vapor pressure and a mild non-offensive odor. Increasing the concentration of ERISYS® GE-35 resin in epoxy formulations reduces viscosity and lengthens pot life while imparting stress relief after cure.

## Applications

- Concrete patching compounds
- Floor coatings
- Adhesives
- Bridge decking compounds
- Joint sealants

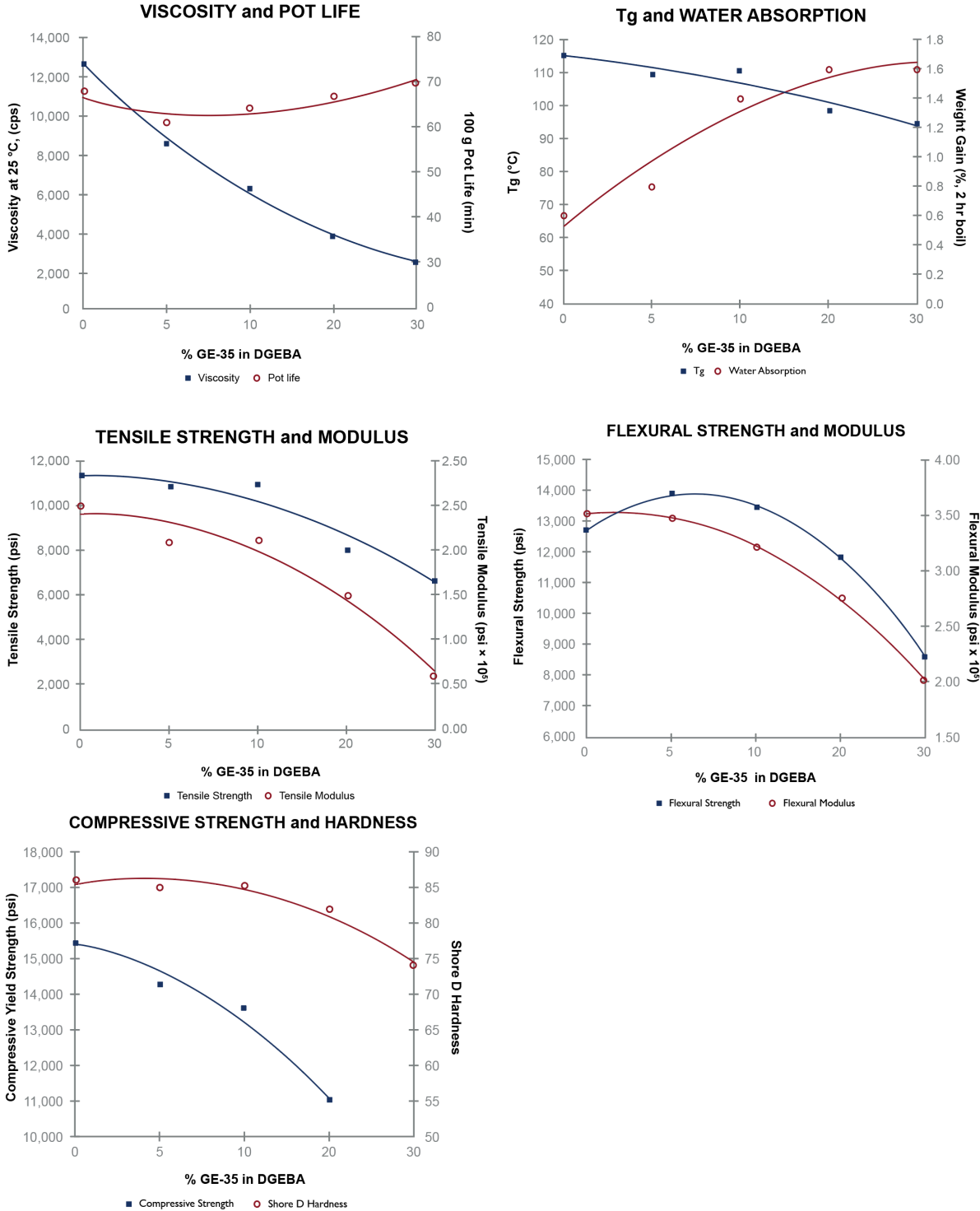
## Typical Properties

Property	ERISYS® GE-35
Appearance	Clear, Clean
Viscosity at 25°C, cP	300 – 500
Epoxide Equivalent Weight, g/eq	550 – 650
Gardner Color, max	8
Residual Epichlorohydrin, max ppm	10
Weight per Gallon at 25°C, lb.	8.5 ± 0.1
Flash Point, °C (°F)	>93 (>200)

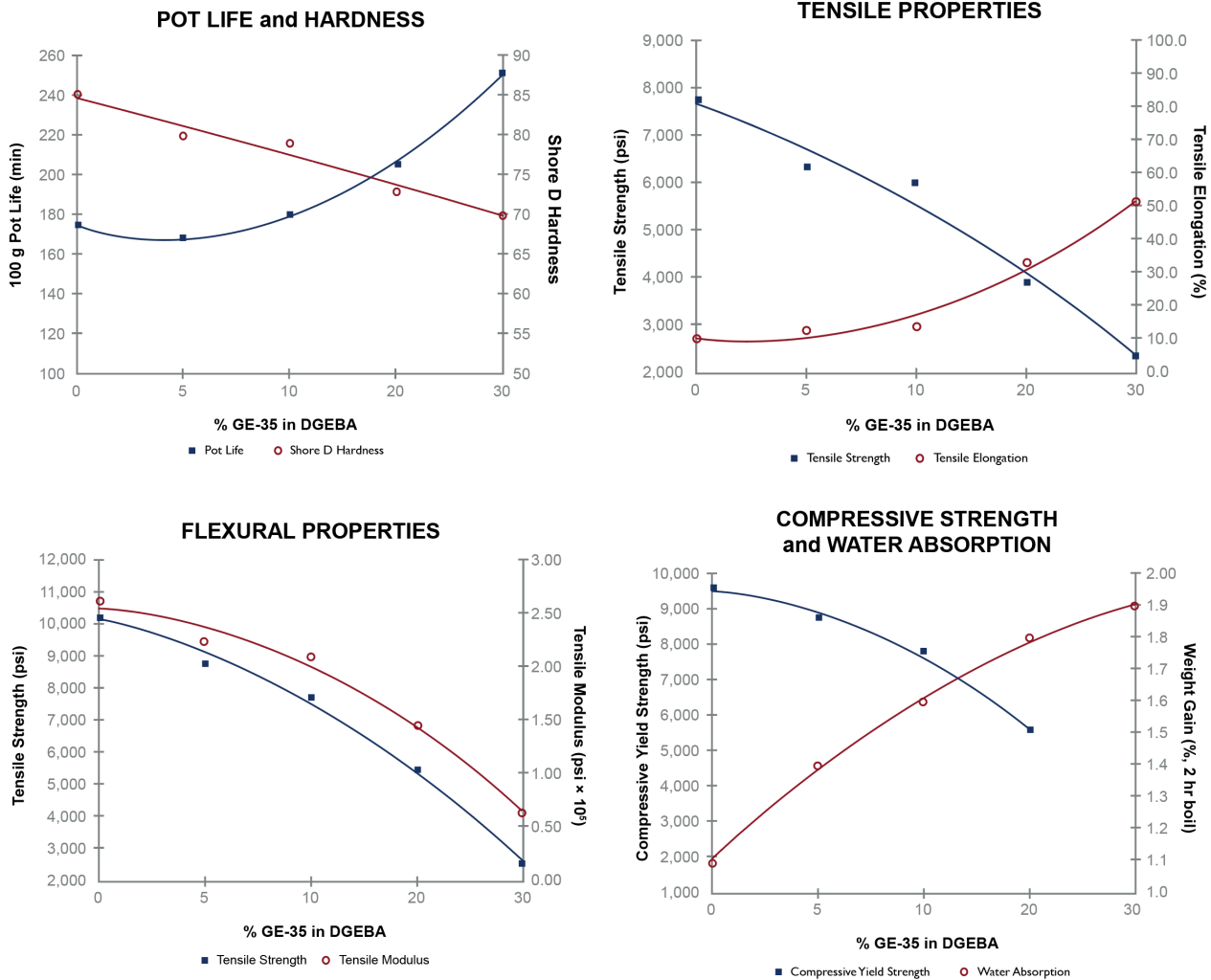
## Formulating Properties

The use of ERISYS® GE-35 resin will affect the handling and cured properties of resin formulations. The effects of these changes are shown below.

The effect of ERISYS® GE-35 resin on the cured properties of liquid epoxy resin (EEW 188) cured with TETA.



The effect of ERISYS® GE-35 resin on the cured properties of liquid epoxy resin (EEW 188) cured with Polyamidoamide for a flexibilized formulation.



## Storage

ERISYS GE-35® resin 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 products have a shelf life of **24 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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