

# ERISYS® GE-36 Propoxylated Glycerin Triglycidyl Ether Aliphatic Trifunctional Flexibilizing Epoxy Reactive Diluent

## Product Description

ERISYS® GE-36 diluent, the triglycidyl ether of propoxylated glycerin, is a flexibilizing diluent for epoxy resins. The product is compatible with standard bisphenol A, bisphenol F and epoxy phenol novolac resins and improves surface wetting properties of uncured resin/hardener formulations. With use of ERISYS® GE-36 diluent, formulators will see increased tensile elongation and improved impact, thermal shock and peel adhesion.

## Applications

- Concrete patching compounds
- Flexible coatings and adhesives
- Bridge decking compounds
- Joint sealants
- Fiber sizing

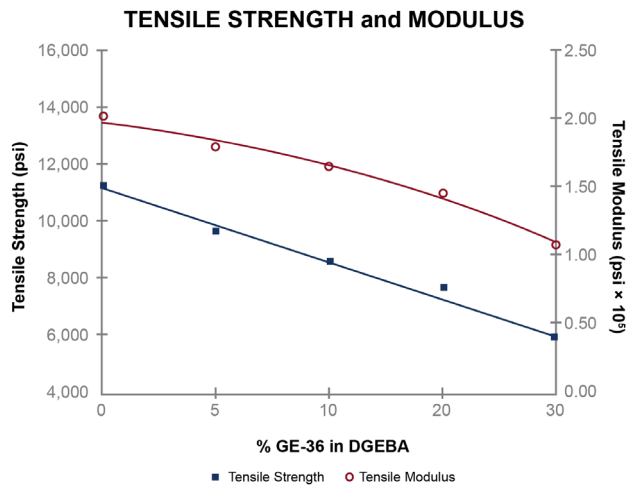
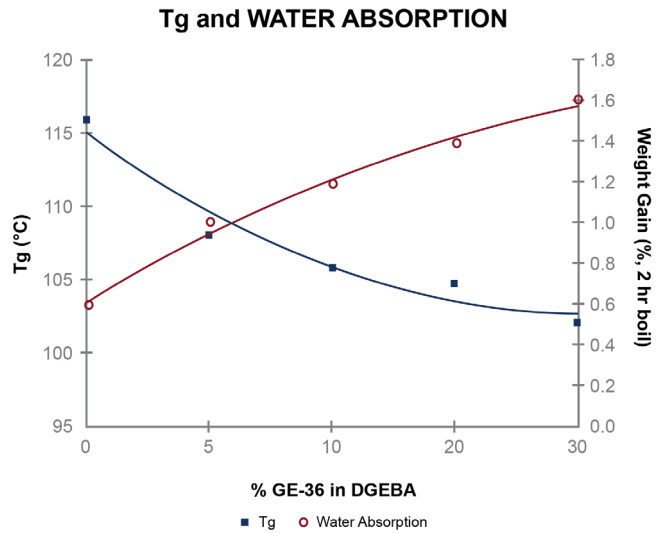
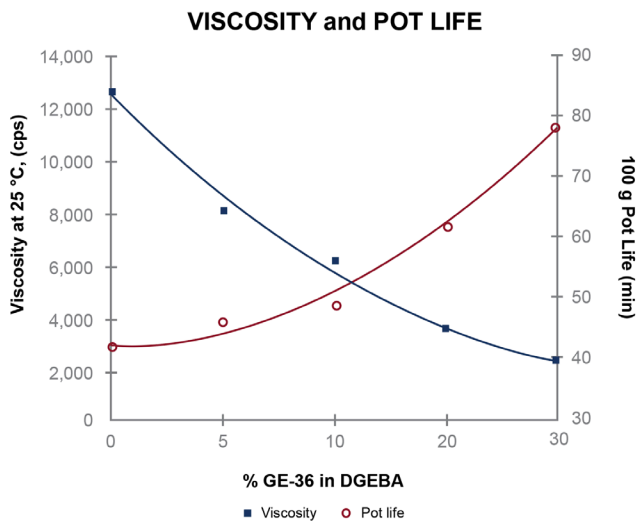
## Typical Properties

Property	ERISYS® GE-36
Appearance	Clear, Clean
Viscosity at 25°C, cP	200 – 320
Epoxide Equivalent Weight, g/eq	620 – 680
Gardner Color, max	2
Residual Epichlorohydrin, max ppm	20
Hydrolyzable Chloride, max %	0.10
Weight per Gallon at 25°C, lb.	8.6 ± 0.2
Flash Point, °C (°F)	>93 (>200)

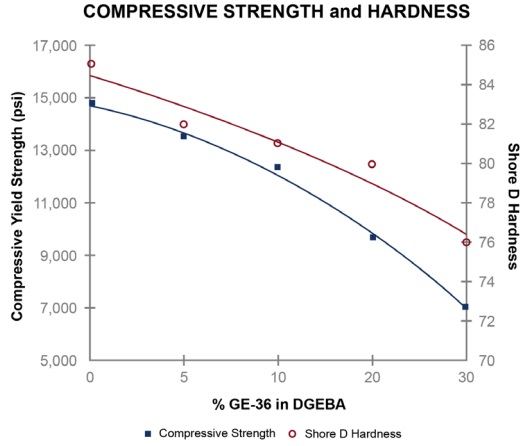
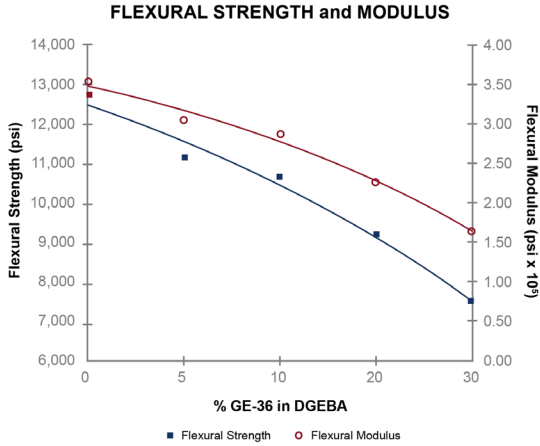
### Formulation Properties

The use of ERISYS® GE-36 diluent will affect the handling and cured properties of resin formulations. The effects of these changes are shown below.

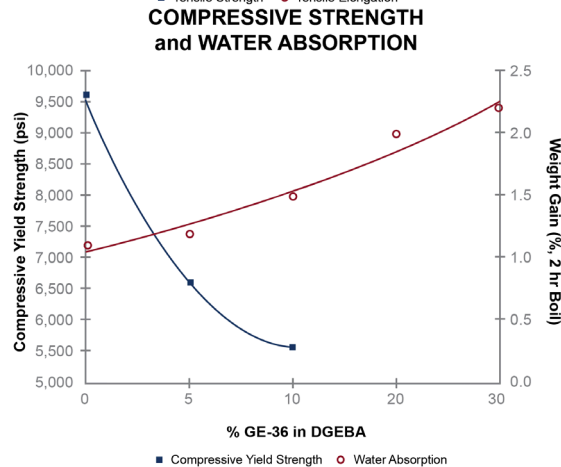
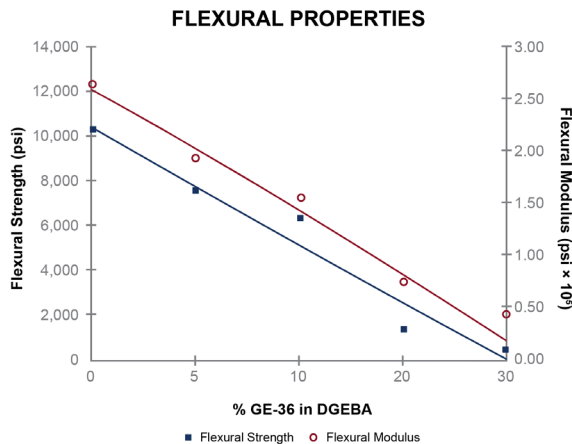
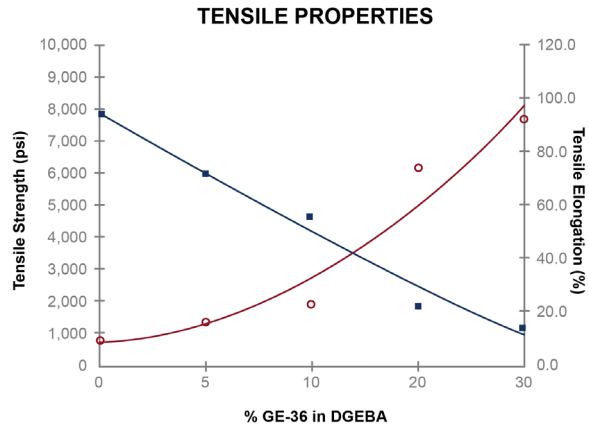
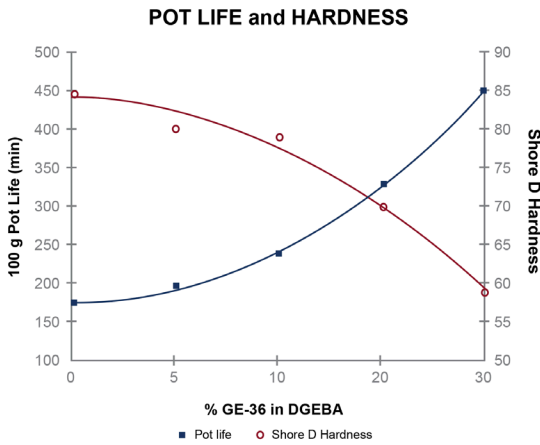
The effect of ERISYS® GE-36 diluent on the cured properties of liquid epoxy resin (EEW 188) cured with TETA.



The effect of ERISYS® GE-36 diluent on the cured properties of liquid epoxy resin (EEW 188) cured with TETA, cont.



The effect of ERISYS® GE-36 diluent on the cured properties of liquid epoxy resin (EEW 188) cured with Polyamidoamide for a flexibilized formulation.



## Storage

ERISYS® GE-36 diluent 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 **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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