

ERISYS® GE-31 Trimethylolethane Triglycidyl Ether Aliphatic Trifunctional Epoxy Diluent

Product Description

ERISYS® GE-31 resin, the triglycidyl ether of trimethylol ethane, is a low-viscosity aliphatic triepoxide. It is intended for use as a reactive diluent for high-viscosity epoxy resins. ERISYS® GE-31 resin is compatible at all concentrations with those resins. Resin/diluent blends can be cured using any curing agent for epoxy resins. As a high-functionality reactive modifier, cured properties of formulations containing ERISYS® GE-31 resin are maintained to a greater degree than those of systems containing lower-functionality diluents. The structure of ERISYS® GE-31 resin helps to produce cured formulations with higher cross-link density, suggesting use in applications requiring enhanced chemical resistance.

Applications

- 100% Solids chemical resistant coatings
- Concrete crack repair
- Coatings for containment areas
- High-performance adhesives

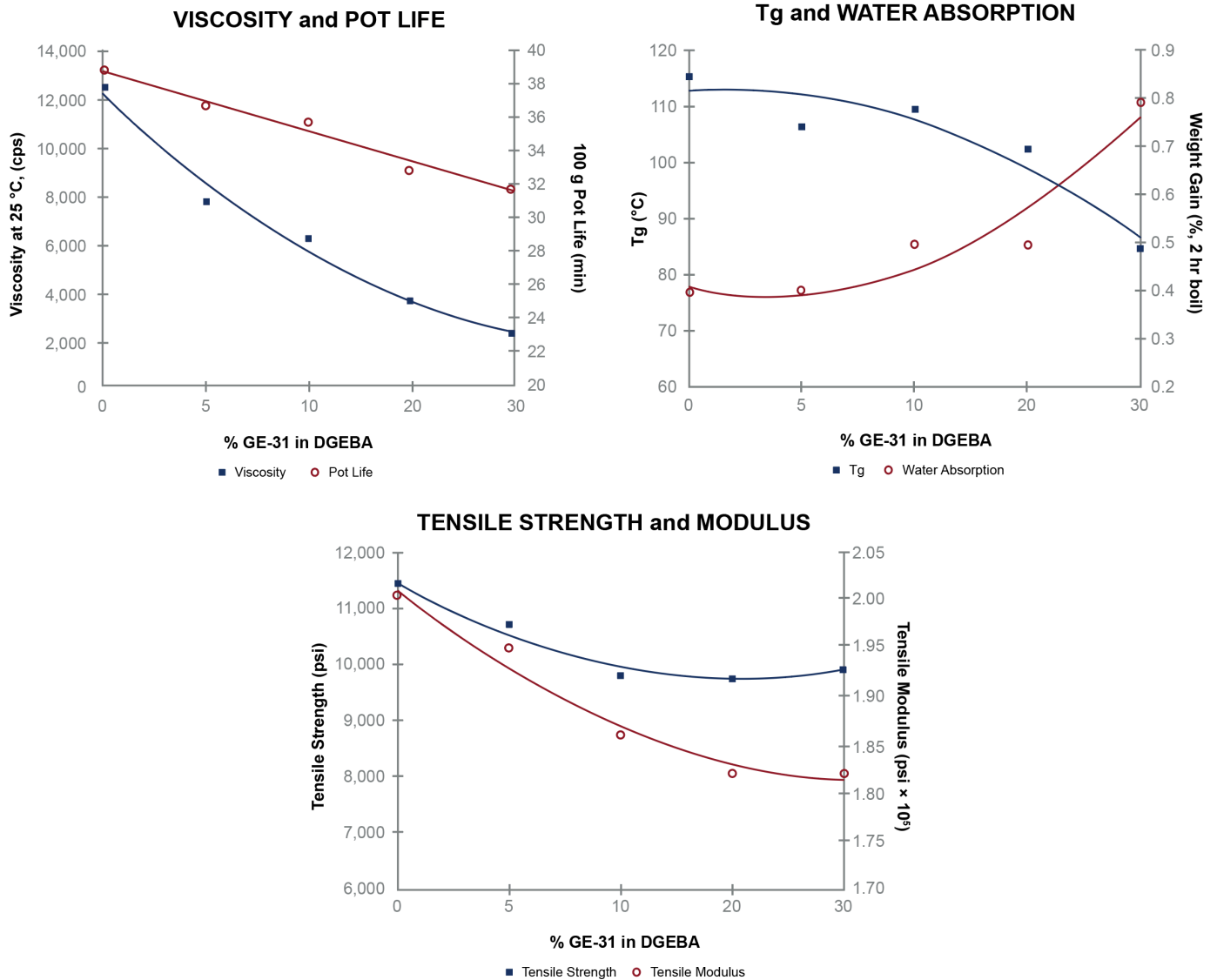
Typical Properties

Property	ERISYS® GE-31
Appearance	Clear, Clean
Viscosity at 25°C, cP	200 – 300
Epoxide Equivalent Weight, g/eq	150 – 170
Gardner Color, max	4
Residual Epichlorohydrin, max ppm	10
Hydrolyzable Chloride, max %	0.10
Weight per Gallon at 25°C, lbs.	10 ± - 0.1
Flash Point, °C (°F)	>93 (>200)

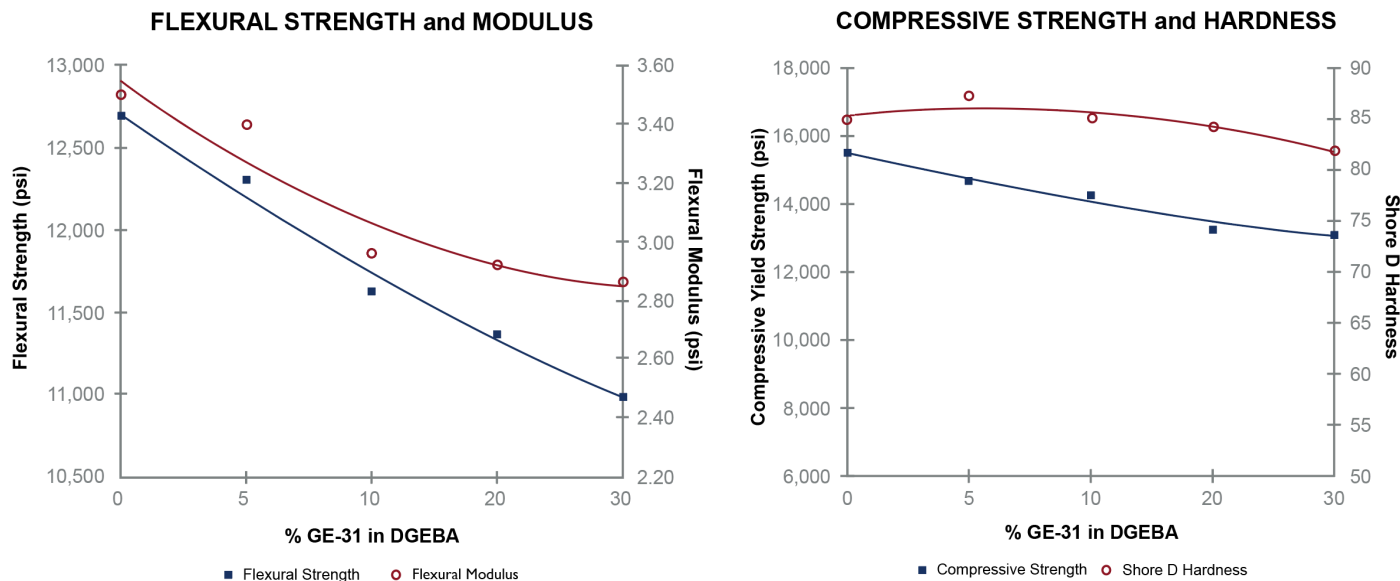
Formulation Properties

The use of ERISYS® GE-31 resin will affect the handling and cured properties of resin formulations. The effects of these changes are shown below.

The effect of ERISYS® GE-31 resin on the cured properties of liquid epoxy resin (EEW 188) cured with TETA



The effect of ERISYS® GE-31 on the cured properties of liquid epoxy resin (EEW 188) cured with TETA, cont.



Storage

ERISYS® GE-31 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 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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