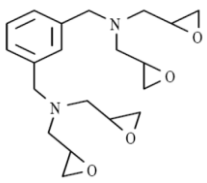
HUNTSMAN

Enriching lives through innovation

Advanced Materials

ERISYS® GA-240*

A low Viscosity Multifunctional Epoxy Resin

GENERAL	ERISYS® GA-240 resin is a tetrafunctional epoxy resin based on meta-Xylenediamine. The product is a nitrogen-containing, highly-reactive resin with a very low viscosity. Due to its high epoxy functionality, cured formulations containing ERISYS® GA-240 resin will possess high cross-link densities. This resin is, therefore, suggested for use in applications where high-temperature resistance is required. ERISYS® GA-240-containing formulations are also expected to possess excellent chemical resistance and high modulus. ERISYS® GA-240 resin can be used as the sole resin in a formulation or it can be used as a reactive additive to lower the viscosity and/or improve the cured properties of other epoxy resins.
CHEMICAL DESCRIPTION	Tetraglycidyl of meta-Xylenediamine
CHEMICAL STRUCTURE	
ADVANTAGES	• Low viscosity at room temperature • Good room temperature storage stability • Outstanding heat resistance and mechanical properties • Easy to process • Excellent chemical resistance • Viscosity reducer for high-viscosity epoxy resins
APPLICATIONS	• Advanced (carbon and boron fiber) composites structures • High performance structural adhesives • Structural laminating • Chemical-resistant coatings • Adhesives • Filament winding • Bridge decking compounds • Joint sealants

* *In addition to the brand name product denomination may show different appendices , which allows us to differentiate between our production sites: e.g , BD = Germany, US = United States, IN = India,CI = China, etc.. These appendices are in use on packaging, transport and invoicing documents. Generally the same specifications apply for all versions. Please address any additional need for clarification to the appropriate Huntsman contact.*

KEY DATA

Specified key data

Gardner color	**5 max**	
Epoxy equivalent weight (Titration)	**95 -110**	**[g/Eq]**
Viscosity @ 25°C (Brookfield)	**1 600 - 3 000**	**[mPa.s]**

Specified key data are individually checked throughout and guaranteed.

Typical key data

Density at 25 °C	1.14 – 1.16 g/cm^3
Flash Point	>232 °C

Typical key data are spot checked; the values are typical for the product and are indicated for information only. The values are not guaranteed.

STORAGE

ERISYS® GA-240 must be stored between 2 and 8 °C in sealed containers. Storage at higher temperatures may adversely affect properties. Maximum temperature this product should be subjected to while thawing for use should not exceed 35 °C. Never store ERISYS® GA-240 in warm areas, particularly near heat sources or hot equipment, or even in direct sunlight, because violent exothermic reaction or explosion may result.

HANDLING PRECAUTIONS

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. To facilitate handling of ERISYS® GA-240 as a workable liquid, warm the container gradually by letting it stand in an area at room temperature (approximately 23 °C) prior to use. Never accelerate warming by using hot ovens, band heaters, hot plates, open flames, or any means, which could cause a “hot spot”. Such practices may initiate violent exothermic reaction or explosion. Contamination, especially by acidic or basic substances, may also start a violent exothermic reaction and must be avoided.

For additional information please consult the corresponding product safety data sheets and the brochure "Hygienic precautions for handling plastics products".

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