

Advanced Materials

ERISYS® GE 60[#]

Sorbitol Glycidyl Ether - Aliphatic Polyfunctional Epoxy Resin

DATA SHEET

ERISYS® GE-60, epoxidized sorbitol, is an aliphatic multifunctional epoxy resin. This resin will impart both higher reactivity and crosslink density to epoxy resin formulations. Additionally, ERISYS® GE-60 can be used to crosslink acid functional polyurethane and acrylic resins for improved chemical resistance in UV resistant coatings

Applications

- Crosslinker for Acrylic and Polyurethane Resins
- Accelerator for Epoxy Resins

Key data

Specified key data

Appearance (visual)	clear	
Epoxy Equivalent Weight (Titration)	160 - 195	[g/eq]
Viscosity at 25 °C (Brookfield)	8 000 – 18 000	[mPa s]
Gardner Color	<7	
Easily Hydrolysable Chloride content (Titration)	<0.5	[%]

Specified key data are individually checked throughout and guaranteed.

Typical key data

Medium epoxy equivalent weight (ISO 3001)	178	[g/eq]
Residual Epichlorohydrin, max	≤ 50	[ppm]
Flash point	≥ 160	[°C]
As-supplied form	liquid	
Odour	slight	
Shelf life (at storage temperature between 2 - 40 °C) (see expiry date on original container)	3 years	
Hazardous decomposition products (when disposed of in fire)	carbon monoxide, carbon dioxide and other toxic gases and vapours	
Disposal	regular procedures approved by local authorities	

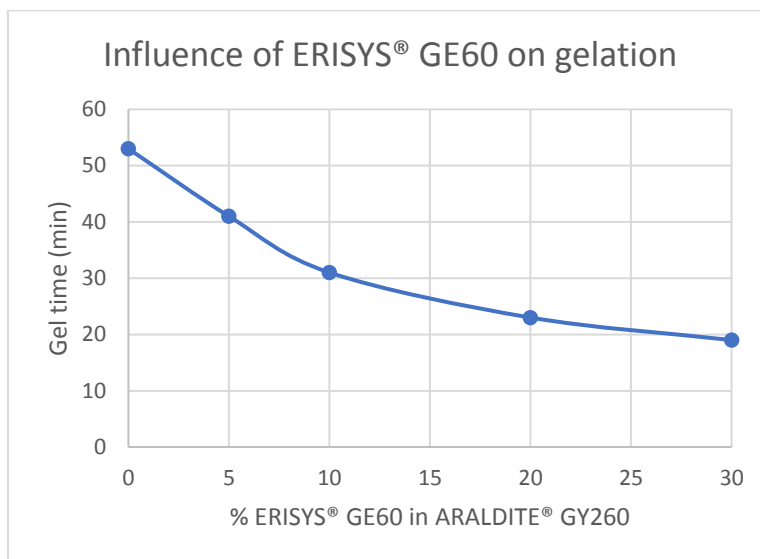
Typical key data are spot checked; the values are typical for the product and are indicated for information only. The values are not guaranteed.

[#] 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.

Performance Data

The acceleration effect of ERISSYS® GE-60 resin on ARALDITE® GY 260 cured with ARADUR® HY 951

ERISSYS® GE 60 in ARALDITE® GY 260					
ARALDITE® GY 260	100	95	90	80	70
ERISSYS® GE-60	0	5	10	20	30
ARADUR® HY 951	13.0	13.1	13.2	13.3	13.4
20 g Gel Time (min)	53	41	31	23	19



Storage

ERISSYS® GE 60 should be stored in a dry place, preferably in the sealed original container, at temperatures between 2 and 40 °C. The product should not be stored exposed to direct sunlight.

Handling precautions

Mandatory and recommended industrial hygiene procedures should be followed whenever our products are being handled and processed. For additional information please consult the corresponding product safety data sheets and the brochure "Hygienic precautions for handling plastics products".

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