

Araldite® GT 7071[#]**Solid epoxy resin with medium molecular weight, based on bisphenol-A****Applications**

When cured with polyamines, polyamidoamines, or their adducts for the formulation of solvent-containing coatings. These coatings cure at ambient or elevated temperatures. They are used as tie coat, anti-corrosion, shop and zinc dust primers, as intermediate and top coats. Araldite GT 7071 can be added to alkyd/amino stoving enamels to enhance their quality, and to powder coatings e.g. to improve their flow.

Properties

- The solid resin presents negligible tendency to cake while in storage
- Outstanding adhesion to a variety of substrates, e.g. metals, concrete, wood, etc.
- Optimal flexibility
- High impact strength
- Good allround chemical resistance.

Key data**Specified key data**

Aspect (visual)	clear solid resin	
Colour (Gardner, ISO 4630)*	≤ 1	
Epoxy index (ISO 3001)	1.90 - 2.00	[eq/kg]
Epoxy equivalent (ISO 3001)	500 - 525	[g/Eq]
Viscosity at 25 °C (Falling-ball, ISO 12058-1)*	200 - 250	[mPa s]

*40% in butyl carbitol

Specified key data are individually checked throughout and guaranteed.


Typical key data

Hydroxyl value (ISO/DIS 4629)	~ 2.4	[eq/kg]
Softening point (Mettler, DIN 51920)	77 - 82	[°C]
Melt viscosity at 150 °C (ICI, cone/plate, ISO 3219)	500 - 650	[mPa s]
Density at 25 °C (ISO 8130-3)	1.19	[g/cm ³]
Flash point (ISO 2592)	≥ 200	[°C]
As-supplied form	flakes	
Odour	none	
Shelf life (at storage temperature between 2 - 40 °C) (see expiry date on original container)	6 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.

Solubility	Viscosity of a 50% solution of Araldite GT 7071 as a function of solvent type.	
	Solvent	Viscosity at 25 °C (ISO 12058-1) [mPa s]
	Methyl ethyl ketone	~ 25
	Methyl ethyl ketone/toluene, 1:1	~ 40
	Ethyl acetate	~ 40
	Methyl isobutyl ketone	~ 65
	Methyl isobutyl ketone/toluene, 1:1	~ 70
	Butyl acetate	~ 90
	Toluene	~ 110
	Xylene/butanol, 4:1	~ 110
	Methyl glycol	~ 170
	Ethylene glycol	~ 210
	Butyl carbitol	~ 930
o-dichlorobenzene	~ 1430	
Mix ratios	Components	Parts by weight
	Araldite GT 7071	100 100
	Aradur 115 X 70	35 -100 -
	Aradur 951	- 5.7 - 6.5
Storage	Araldite GT 7071 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”.	
Note	Araldite® is a registered trademark of Huntsman LLC or an affiliate thereof.	

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	 APPROVED TO <small>ISO 9001</small>