

Araldite® GT 7013

Solid Epoxy Resin



General Araldite® GT 7013 is a solid, unmodified Bisphenol A epoxy resin.

Application Araldite® GT 7013 is a fast reacting, low melt viscosity solid epoxy resin designed for thick and thin film powder coatings.

The resin, preferably in combination with oil-free acid terminated polyester resins, is suitable for polyester rich powder coating system. The main end use formulations are general, decorative coatings for metal furniture.

Advantages The reactive epoxy resin Araldite® GT 7013 is marked by good flow properties, good wettability to pigments and substrates and very good storage stability of the formulated powders. Further more such coatings yield:

- Excellent mechanical and electrical properties
- Good corrosion resistance
- High gloss for decorative applications
- Excellent adhesion
- High filler loading
- FDA approved

Specific Key Data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color, APHA	50 max	ASTM D-1209
	Epoxy value	1.38 – 1.54 eq/Kg	ASTM D-1652
	Weight per epoxide	650 - 725 g/eq	ASTM D-1652
	Viscosity at 25 °C (77 °F)*	370 - 490 mPa.s	ISO 12058-1

* 40% in butyl carbitol

Specific key data are individually checked throughout, guaranteed and included in Certificate of Analysis.

Typical Key Data	Property	Value	Test method
	Melt viscosity at 150 °C	2200 – 3200 mPa.s	ASTM D-4440
	Softening point	85 – 92 °C	ASTM D-3461
	Density at 25 °C	1.19 g/cm ³	ISO 8130
	Flash point	≥ 200°C	ISO 2719

Typical key data are spot-checked; the values are typical for the product and are indicated for information only. The values are not included in certificate of analysis.

As-supplied form	Flakes (5 mm sieve)
Odor	None
Self life (at storage temperature between 2- 40°C) (See expiry date on original bag)	6 years
Hazardous decomposition products (when disposed of in fire)	Carbon monoxide, carbon dioxide, nitrogen oxides and other toxic gases and vapors
Disposal	Regular procedures approved by local authorities

Package & storage Araldite® GT 7013 is supplied in 25 kg bags. This product has a minimum shelf life of 6 years when stored in a dry place at room temperature. If stored under warmer conditions, sintering may occur.

Handling Precautions **Caution! Avoid dusty conditions.**
Use with good ventilation.
Avoid contact with eyes.
Avoid skin contact.
Avoid breathing dust.
Wash thoroughly after handling.

Please read our Material Safety Data Sheet before using.

First Aid **In case of contact:**

Eyes	:	Promptly flush eyes with warm water for at least 5 minutes.
Skin	:	Wash with mild soap and water.
Inhalation	:	Remove to fresh air.
Ingestion	:	If conscious, give water and call a physician.

Note Araldite® is a registered trademark of Huntsman LLC or an affiliate thereof.

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