

Araldite® GT 6609

Solid, high molecular weight Epoxy Resin



General Araldite® GT 6609 is a high melt viscosity epoxy resin designed for high quality industrial coatings.

Chemical Description A solid unmodified epoxy resin based on bisphenol A.

Applications Araldite® GT 6609 cured with phenolic or amino resins is suitable for the formulation of solvent containing Linings for cans, tubes, and metal containers of all types. It also used in formulation of baking primers and enamels (coil coating) those are highly resistant to mechanical damage and chemicals. For the formulation of cold-curing coatings it is recommended to use poly isocyanates as hardeners.

Properties Araldite® GT 6609 features a low color value and good compatibility with co-resins such as phenolic and amino resins. Container linings and baking enamels yield:

- Relatively low viscosity
- Excellent flexibility and impact resistance
- Outstanding deep-drawing capability
- Good chemical resistance.

Coatings formulated in combination with polyisocyanates exhibit:

- High solids content
- High reactivity
- Outstanding mechanical properties
- Good chemical resistance.

Specific key data	Property	Value	Test method
	Appearance	Clear, No contamination	JCTM 002
	Color, Gardner *	2 max	ASTM D-1544
	Epoxy value	0.034 - 0.042 eq/100g	ASTM D-1652
	Weight per epoxide	2380 - 2940 g/eq	ASTM D-1652
	Viscosity @ 25°C (77°F)*	3500 - 5500 mPa.s	ISO 9371:1990E

*40% in butyl carbitol

Specific data are individually checked throughout, guaranteed, and included in the Certificates of Analysis.

Typical key data	Property	Value	Test method
	Softening point	~ 150 °C	Mettler, DIN 51920
	Density at 25 °C	1.18 g/cm ³	ISO 8130-3
	Flashpoint	≥ 200 °C	ISO 2592

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

As-supplied form	flakes
Odor	none
Shelf life (at storage temperature between 2-40 °C (see expiry date on original container)	6 years
Hazardous decomposition products (When disposed in fire)	Carbon monoxide, Carbon dioxide and other toxic gases and vapor
Disposal	Regular procedures approved by local authorities.

Package & Storage Araldite® GT 6609 is available in 20 Kg. bags. This product 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 Forced ventilation and dust masks or respirators should be used in order to ensure that operatives do not breath in dust generated by resin, hardener or formulated or powder coatings.

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.

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

Jubail Chemical Industries Co. (JANA)
P.O Box 10661
Jubail Industrial city 31961
Kingdom of Saudi Arabia
Tel : +966 3 3585002
Fax : +966 3 3585113
Website : www.jana-ksa.net

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