

Araldite® GT 6099

High molecular weight, Solid Epoxy Resin



General	Solid bisphenol A based high molecular weight epoxy resin		
Applications	<p>Araldite® GT 6099 can be cured with amino or phenolic resins for the formulation of,</p> <ul style="list-style-type: none"> • linings for cans, tubes and metal containers of all types. • mechanically and chemically highly resistant heat-curing primers and enamels. <p>Combinations with polyisocyanates yield anticorrosion paints which can be cured at room temperature.</p>		
Properties	<p>Package linings and heat-cured enamels have:</p> <ul style="list-style-type: none"> • Excellent flexibility and impact strength • Excellent deep-drawing capability • Good general chemical resistance <p>Coatings formulated in combination with polyisocyanates exhibit:</p> <ul style="list-style-type: none"> • High reactivity • Outstanding mechanical properties • Good chemical resistance. 		
Specific key data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color, Gardner *	< 2	ASTM D-1544
	Epoxy value	0.034 - 0.042 eq/100g	ASTM D-1652
	Epoxy value	2380 - 2940 g/eq	ASTM D-1652
	Viscosity @ 25°C (77°F)*	5000 - 10000 mPa.s	ISO 9371:1990E
	*40% in butyl carbitol		
	Specific key data are individually checked thought, guaranteed, and included in the Certificates of Analysis.		
Typical key data			
	Softening point	143 - 158 °C	Mettler, DIN 51920
	Density at 25 °C	~ 1.20 g/cm³	ISO 8130-3
	Flash point	≥ 200 °C	ISO 1523
	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	
	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 vapour	
	Disposal	regular procedures approved by local authorities	

Packing & Storage	Araldite® GT 6099 is available in 20 Kg. bags. This product should be stored in a dry place, preferably in the sealed original bag, 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.

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