

Araldite® GT 6750 ES

High-flow, solid Epoxy Resin containing 2.5% flow agent



General High flow, solid, epoxy resin based on bisphenol A containing 2.5% flow agent.

Applications Araldite® GT 6750 is a very low melt viscosity solid epoxy resin particularly suited for the preparation of hybrid powder coatings with superior flow properties. It is beneficial in the application of thin film hybrid powder coatings.

Properties Araldite® GT 6750 is a solid epoxy resin containing flow agent. It has the epoxy equivalent of a "type 3" epoxy resin and viscosity of a "type 2" resin. The softening point of Araldite® GT 6750 is slightly higher than that of a "type 2" resin. The low viscosity properties of this resin do not compromise the mechanical properties and chemical resistance of the coatings. A 50:50 epoxy/polyester combination is considered optimal for hybrid powders based on Araldite® 6750.

Specific key data	Property	Value	Test method
	Appearance	Clear, No contamination	JCTM 002
	Color, Gardner *	2 max	ASTM D-1544
	Epoxy value	0.131 - 0.142 eq/100g	ASTM D-1652
	Weight per epoxide	704 - 763 g/eq	ASTM D-1652
	Viscosity @ 25°C (77°F)*	230 - 320 mPa.s	ISO 9371:1990E

* 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 (ICI, cone/plate)	10000-16000 mPa.s	ASTM D-4440
	Density at 25 °C	1.2 g/cm ³	ISO 8130
	Flash point	≥ 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 included in certificate of analysis.

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 6750 is available in 25 Kg. bags. This product should be stored in a dry place, preferably in the sealed original container at temperature between 2 °C 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 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 corrspousing product safety data sheets.

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

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