

# Araldite® GT 7074

## Solid Epoxy Resin



<b>General</b>	Unmodified Bisphenol A based solid epoxy resin from type 5½ “characterized by higher” melt viscosity.
<b>Applications</b>	Araldite® GT 7074 is a most suitable epoxy resin for the formulation of functional powder coating systems like pipe and rebar applications.
<b>Advantages</b>	<p>Araldite® GT 7074 in combination with high reactive modified epoxy resin like Araldite® GT 7255 and various hardeners yield the following performance:</p> <ul style="list-style-type: none"> <li>• Excellent mechanical properties (adhesion, flexibility)</li> <li>• Good chemical and corrosion resistance</li> <li>• Good disbonding test</li> <li>• Excellent electrical properties</li> </ul>

Specific Key Data	Property	Value	Test method
	Appearance	Clear, no contamination	JCTM 002
	Color, APHA	150 max	ASTM D-1209
	Epoxy value	0.85 - 1.07 eq/Kg	ASTM D-1652
	Weight per epoxide	935 - 1175 g/eq	ASTM D-1652
	Melt viscosity (ICI cone & plate @175°C)	3000 - 6000 mPa.s	ASTM D-4440

*Specific key data are individually checked throughout, guaranteed and included in certificate of analysis.*

Typical Key Data	Property	Value	Test method
	Viscosity at 25 °C (77 °F)*	900 - 1200 mPa.s	ISO 12058-1
	Softening point (Mettler)	97 - 110 °C	ASTM D-3461
	Density @ 25 °C	1.19 g/cm <sup>3</sup>	ISO 8130
	Flash point	≥ 200°C	ISO 2719

*\* 40% in butyl carbitol*

*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
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, nitrogen oxides and other toxic gases and vapors
Disposal	Regular procedures approved by local authorities

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**Package & Storage** Araldite® GT 7074 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 condition, sintering may occur.

**Tariff Number** 39073000

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**Handling/Safety Precautions** **Notice! Avoid dusty conditions.**  
Use with good ventilation.  
Avoid contact with eyes and skin.  
Avoid breathing dust.  
Wash after handling.  
Wash contaminated clothing before reuse.  
**Please read our Material Safety Data Sheet before using.**

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**First Aid** **In case of contact:**

Eyes : Promptly wash eyes with large amounts of water.  
Skin : Wash with soap and water.  
Inhalation : Remove to fresh air. Give oxygen if necessary.  
Ingestion : Give water and get medical attention.

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

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