

# Araldite® GT 7071

## Solid Epoxy Resin



**General** Araldite® GT 7071 is a low melting solid unmodified epoxy resin based on Bisphenol A with narrow molecular weight distribution.

**Applications** Araldite® GT 7071 designed for use in high performance protective and decorative coating systems. Such coatings can be applied in the field of:

|  |                               |
|--|-------------------------------|
| Maintenance coatings                           | Marine finishes (Shop primer) |
| Tank linings                                   | Floor finishes                |
| Interior pipe coatings                         | Concrete coatings             |
| Zinc rich primers as intermediate or top coats |                               |

When cured with polyamines, polyamidoamines, or other adducts for the formulation of solvent-containing coatings, these coatings cure at ambient temperatures.

Araldite® GT 7071 can be added to alkyd/amino stoving enamels to enhance their quality and to powder coatings e.g. to improve their flow.

**Properties** Due to their relative low melting point Araldite® GT 7071 yeild some tendency to cake while in storage The formulated coatings however shows excellent performances like:

- Outstanding adhesion to a variety of substrates, e.g. metals, concrete, wood etc.
- Optimal flexibility
- High impact strength
- Good allround chemical and corrosion resistance

| Specific Key Data | Property                    | Value                   | Test method |
|-------------------|-----------------------------|-------------------------|-------------|
|                   | Appearance                  | Clear, no contamination | JCTM 002    |
|                   | Color Gardner*              | 2 max.                  | ASTM D-1544 |
|                   | Epoxy value                 | 1.89 – 2.22 eq/Kg       | ASTM D-1652 |
|                   | Weight per epoxide          | 450 - 530 g/eq          | ASTM D-1652 |
|                   | Viscosity at 25 °C (77 °F)* | 200 - 500 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 |
|------------------|---------------------------|------------------------|-------------|
|                  | Softening point (Mettler) | 77 - 82°C              | DIN 51920   |
|                  | Density at 25 °C (77 °F)  | 1.19 g/cm <sup>3</sup> | 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 2–25°C)<br>(see expiry date on original container) | Several Years  |
| Hazardous decomposition products<br>(when disposed of in fire)                                | Carbon monoxide, Carbon dioxide,<br>nitrogen oxides and other toxic<br>gases and vapours |
| Disposal  | Regular procedures approved<br>by local authorities                                      |

**Package & Storage** Araldite® GT 7071 is available in 200 Kg. drums This product should be stored in a dry place, preferably in the sealed original drums at temperatures between 2°C and 30°C. The product should not be stored or exposed to direct sunlight. If stored under warmer conditions, sintering may occur.

**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 more information please refer the corresponding material 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

ISO 9001 : 2000



0010737-1044329

**DISCLAIMER:**

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON OUR DATA BELIEVED TO BE CORRECT. HOWEVER, SINCE THE CONDITION OF USE ARE BEYOND OUR CONTROL, NO GUARANTEE OR WARRANTY OF ANY KIND OF EXPRESSED OR IMPLIED IS MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN.