

**Araldite® GY 260<sup>#</sup>**

**Liquid, high-viscosity unmodified epoxy resin based on bisphenol-A**

**Applications** The formulation of solvent-free coatings, flooring screeds, trowelling compounds, etc. when cured with polyamines, polyamidoamines or their adducts.

**Properties** Outstanding mechanical properties and resistance to chemicals, which can be modified within wide limits by using various hardeners and fillers. Relatively low tendency to crystallize.

| Key data                                       | Specified key data |              |  |
|------------------------------------------------|--------------------|--------------|--|
|                                                | Aspect (visual)    | clear liquid |  |
| Colour (Gardner, ISO 4630)                     | ≤ 3                |              |  |
| Epoxy index (ISO 3001)                         | 5.20 - 5.49        | [eq/kg]      |  |
| Epoxy equivalent (ISO 3001)                    | 182 - 192          | [g/eq]       |  |
| Viscosity at 25 °C (Falling-ball, ISO 12058-1) | 12000 - 16000      | [mPa s]      |  |

Specified key data are individually checked throughout and guaranteed.


| Typical key data                                                                                 |                                                                         |                      |  |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------|--|
| Vapour pressure at 20 °C (balance)                                                               | ≤ 0.01                                                                  | [Pa]                 |  |
| Density at 25 °C (ISO 1675)                                                                      | 1.17                                                                    | [g/cm <sup>3</sup> ] |  |
| Flash point (Pensky Martens, ISO 2719)                                                           | ≥ 200                                                                   | [°C]                 |  |
| As-supplied form                                                                                 | liquid                                                                  |                      |  |
| Odour                                                                                            | slight                                                                  |                      |  |
| Shelf life (at storage temperature between 2 - 40 °C)<br>(see expiry date on original container) | several years                                                           |                      |  |
| Hazardous decomposition products<br>(when disposed of in fire)                                   | carbon monoxide, carbon dioxide<br>and other toxic gases and<br>vapours |                      |  |
| Disposal                                                                                         | regular procedures approved by<br>local authorities                     |                      |  |

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

<sup>#</sup> In addition to the brand name product denomination may show different appendices, which allows us to differentiate between our production sites: e.g. BD = Germany, US = United States, IN = India, CI = China, etc. These appendices are in use on packaging, transport and invoicing documents. Generally the same specifications apply for all versions. Please address any additional need for clarification to the appropriate Huntsman contact.

In this case, only valid for Monthey and Pamplona.

|                             |                                                                                                                                                                                                                                                                                                  |         |                 |       |       |      |      |      |      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------|-------|-------|------|------|------|------|
| <b>Viscosity</b>            | Viscosity (ISO 12058-1) of Araldite GY 260 as a function of temperature                                                                                                                                                                                                                          |         |                 |       |       |      |      |      |      |
|                             | Temperature                                                                                                                                                                                                                                                                                      | [°C]    | 15              | 20    | 25    | 30   | 35   | 40   |      |
|                             | Viscosity                                                                                                                                                                                                                                                                                        | [mPa s] | 100000          | 36000 | 14000 | 6400 | 3400 | 1900 |      |
| <b>Mix ratios</b>           | Components                                                                                                                                                                                                                                                                                       |         | Parts by weight |       |       |      |      |      |      |
|                             | Araldite GY 260                                                                                                                                                                                                                                                                                  |         | 100             | 100   | 100   | 100  | 100  | 100  |      |
|                             | Aradur 830                                                                                                                                                                                                                                                                                       |         | 45              | -     | -     | -    | -    | -    |      |
|                             | Aradur 850                                                                                                                                                                                                                                                                                       |         | 15              | -     | -     | -    | -    | -    |      |
|                             | Aradur 837                                                                                                                                                                                                                                                                                       |         | -               | 35    | -     | -    | -    | -    |      |
|                             | Aradur 943                                                                                                                                                                                                                                                                                       |         | -               | -     | 20    | -    | -    | -    |      |
|                             | Aradur 2964                                                                                                                                                                                                                                                                                      |         | -               | -     | -     | 48   | -    | -    |      |
|                             | Aradur 2969                                                                                                                                                                                                                                                                                      |         | -               | -     | -     | -    | 60   | -    |      |
|                             | Aradur 847                                                                                                                                                                                                                                                                                       |         | -               | -     | -     | -    | -    | 40   |      |
|                             | Aradur 848                                                                                                                                                                                                                                                                                       |         | -               | -     | -     | -    | -    | -    | 80   |
|                             | Viscosity at 25 °C (ISO 12058-1)                                                                                                                                                                                                                                                                 | [mPa s] | 9100            | 7700  | 12200 | 1200 | 3200 | 2800 | 4400 |
|                             | Gel time (Tecam, 100 ml, 20 °C, 65% RH)                                                                                                                                                                                                                                                          | [min]   | 150             | 18    | 10    | 31   | 170  | 30   | 125  |
| <b>Storage</b>              | Araldite GY 260 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.                                                                                                  |         |                 |       |       |      |      |      |      |
| <b>Handling precautions</b> | 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 and the brochure "Hygienic precautions for handling plastics products". |         |                 |       |       |      |      |      |      |
| <b>Note</b>                 | Araldite® is a registered trademark of Huntsman LLC or an affiliate thereof.                                                                                                                                                                                                                     |         |                 |       |       |      |      |      |      |

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