


**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**
**EPOTEC YD 136**
**Description**

Epotec YD 136 is unmodified semi-solid diglycidyl ether based on Bisphenol- A. This is an intermediate molecular weight resin with molecular weight between liquid epoxy resin epotec YD 128 & type 1 solid epoxy resin epotec YD 011.

At room temperature epotec YD 136 is a semi-solid resin. Due to its high viscosity and semi-solid nature it finds use in adhesives & protective coatings. It can also be used to modify other resins to improve adhesion & flexibility. Due to its high viscosity it is normally handled in solvent-cut form.

**Applications**

- Adhesives
- Marine and Industrial protective coatings
- Solvent based coatings
- Civil engineering and construction industry
- Composites

**Specification**

|                         |                |   |
|-------------------------|----------------|---|
| Appearance              | Visual         | Clear, light yellow to brownish semi-solid material |
| Colour                  | ASTM D 1544-04 | 0.5 G max.  |
| Epoxy Equivalent Weight | ASTM D 1652-04 | 290 – 335 g/eq                                      |
| Viscosity* @ 25°C (G-H  | ASTM D 1545-07 | A – C   |

\*40 % solids in butyl carbitol

**Typical properties \***

|                      |                |             |
|----------------------|----------------|-------------|
| Epoxide Value        | ASTM D 1652-04 | 2.98 - 3.45 |
| Density @25°C        | ASTM D 1475-98 | 1.17 g/ml   |
| Water content        | ASTM E 203-01  | 0.5 % max.  |
| ECH content          | TEC-AS-P-023   | 10 ppm max. |
| Non-volatile content | ASTM D 1259-06 | 100 %       |
| Flash point          | ASTM D 93      | > 150°C     |

\* = Typical properties are indicated for information only

|                 |   |
|-----------------|---|
| <b>Packing</b>  | Epotec YD 136 is packed and delivered in open mouth steel drums, 220 kg per drum as a standard pack.  |
| <b>Storage</b>  | Epotec YD 136 resin should be stored in original tightly closed container. Under these conditions, it has a storage life of at least two years from the date of manufacturing. For handling or pumping the maximum temperature recommended is 80°C. |
| <b>Handling</b> | For more instructions on storage and handling of epotec YD 136 please refer to the MSDS of the product.   |

**Disclaimer**

All recommendations for use of our products whether given by us in writing, verbally or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although, the information contained in this sheet is accurate, no liability can be accepted in respect of such information. We warrant only that our product will meet the designated specifications and make no other warranty either express or implied, including any warranty of merchantability or fitness for a particular purpose as the conditions of application are beyond our control.

**For Additional Information, Please Contact:**

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