


**Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)**
**EPOTEC YD 126**
**Description**

Epotec YD 126 is an unmodified liquid epoxy resin produced from bisphenol-A and epichlorohydrin processed to produce lower viscosity than standard liquid epoxy resin without any modification by diluent. The lower viscosity of this product enables the formulator to develop solvent free and high solids coatings without or with minimal use of diluents.

A wide variety of curing agents are available to cure this liquid epoxy resin at ambient conditions and also at elevated temperature. Overall good strength, adhesion & very low shrinkage makes this product suitable for use in varied applications including protective coatings, structural strengthening systems, electrical component encapsulation & insulation etc.

**Applications**

- Solvent based, high solids and solvent free coatings
- Adhesives
- Civil engineering and construction industry
- Automotive coatings
- Can & coil coatings
- Marine and Industrial protective coatings
- Tooling, potting, casting and molding compounds
- Composites

**Specification**

|                         |                |  |
|-------------------------|----------------|--|
| Appearance              | Visual         | Clear, colourless to light yellow liquid |
| Colour                  | ASTM D 1544-04 | 0.5 G max.                               |
| Epoxy Equivalent Weight | ASTM D 1652-04 | 178 – 186 g/eq                           |
| Viscosity @25°C         | ASTM D 2196-05 | 7,500 - 10,000 cP                        |
| Hydrolysable Chlorine   | ASTM D 1726-03 | 500 ppm max.                             |

**Typical properties \***

|                      |                |             |
|----------------------|----------------|-------------|
| Epoxide Value        | ASTM D 1652-04 | 5.37 – 5.62 |
| Density @25°C        | ASTM D 1475-98 | 1.16 g/ml   |
| Water content        | ASTM E 203-01  | 0.05 % 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

**Packing**

Epotec YD 126 is packed and delivered in steel drums, 220 kg per drum as a standard pack.  
Other packs are available upon request.

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**Storage**

Epotec YD 126 resin should be stored in original tightly closed container, in dry and warm conditions to avoid crystallization. Under these conditions, it has a storage life of at least two years from the date of manufacturing. Epotec YD 126 may become hazy or crystallize upon long storage especially when exposed to low temperatures. The resin can be restored to its original condition by warming to 55-60°C while stirring. For handling or pumping the maximum temperature recommended is 80°C.

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**Handling**

Please refer to the product MSDS for more instructions on safe storage and handling of epotec YD 126.

**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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