


Aditya Birla Chemicals (Thailand) Ltd. (Epoxy Division)
EPOTEC YD 902
Description

Epotec YD 902 is a medium molecular weight solid epoxy resin designed for use in powder coatings. The low viscosity of this resin in this category combined with good colour makes it ideal for use in powder coatings requiring smooth appearance and high gloss. Although, due to its lower EEW and thereby lower glass transition temperature, it is not recommended for use in tropical weather conditions as it might sinter upon storage.

Applications

- Hybrid powder coatings
- High gloss, good flow pure epoxy powder coatings
- Solvent based protective coatings

Specification

Appearance	Visual	Clear, colourless to light yellow flakes
Colour*	ASTM D 1544-04	0.5 max.
Epoxy Equivalent weight	ASTM D 1652-04	660 – 725 g/eq
Viscosity [#] @150°C	ASTM D 4287-00	2,200 – 3,500 cP
Softening point	ASTM D 6090-99	81 – 91 °C

* 40 % solids in Butyl Carbitol
Cone & Plate viscometer

Typical properties *

Epoxide Value	ASTM D 1652-04	1.38 – 1.52
Water content	ASTM E 203-01	0.5 % max.
Relative Density	ASTM D 1298	1.16 - 1.18 g/cc
Bulk density	ASTM D 1895	0.50 - 0.65 MT/m ³
Insolubles	TEC-AS-P-050	30 ppm max.

* = Typical properties are indicated for information only

Packing

Epotec YD 902 is packed and delivered in PE bags, 25 kg nett per bag as a standard pack.
Other packs are available on request.

Storage

Epotec YD 902 resin should be stored in normal ambient conditions preferably below 35°C, in closed container, at dry and cool place. Epotec YD 902 resin should not be exposed to moisture, sunlight or other heating media to avoid agglomeration. Under proper storage conditions, it has a storage life of at least two years from the date of manufacturing. The product might sinter if exposed to heat. **It is advised to take proper precaution while emptying bags of epotec YD 902 to avoid discharge of static electricity that might be present on the packing material surface. A good exhaust to avoid formation of a cloud of fines at discharge area is recommended.**

Handling

Please refer to the MSDS of the product for more instructions on safe storage and handling of epotec YD 902.

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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