

AMITEK EPOXY RESIN

Hsn Code: 39073010

Product Description:

Amitek Epoxy Resin is an unmodified liquid epoxy resin with medium viscosity produced from bisphenol-A and epichlorohydrin. This is a standard liquid epoxy resin and a wide variety of curing agents are available to cure this liquid epoxy resin at ambient conditions and also at elevated temperature. When cured with appropriate hardener, Amitek Epoxy Resin gives excellent mechanical, chemical, electrical and adhesion properties. Because of these properties it finds use in various applications.

Application Area

- 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 moulding compounds
- Composites
- Stabilizer in PVC

Technical Characteristics

Appearance	Visual	Clear, colourless to light yellow liquid
Colour	ASTM D 1544-04	0.5 g max.
Epoxy Equivalent weight	ASTM D 1652-04	185 – 194 g/eq
Viscosity @25°C	ASTM D 2196-05	11,000 – 14,000 cP
Hydrolysable Chlorine	ASTM D 1726-03	0.05 % max.

Typical Properties

Epoxide Value	ASTM D 1652-04	5.15 – 5.40
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	5 ppm max.
Non-volatile content	ASTM D 1259-06	100 %
Flash point	ASTM D 93	252°C

Packaging

Amitek Epoxy Resin is packed and delivered in steel drums, 235 kg per drum as a standard pack. Other packs are available on request.

Storage & Shelf Life

Amitek Epoxy Resin 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. **Amitek Epoxy Resin** 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. Shelf Life is at least 24 months from date of manufacture.

Handling

Please refer to the MSDS of the product for more instructions on safe storage and handling of **Amitek Epoxy Resin**

DISCLAIMER:

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MANUFACTURED BY -

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