



HSC 2303 (Semi-Solid Epoxy resin)

Product Description HSC 2303 is unmodified low molecular weight solid epoxy resin based on bisphenol A. Available in semi-solid form and flowable at elevated temperatures. This grade is developed for use in coal-tar extended, heavy duty and protective coatings.

Key Properties

- Improved toughness, tack and cure speed over unmodified basic epoxy resin
- Impart good corrosion protection and water resistance

Applications

- Tar modified coatings
- High toughness adhesives, laminating
- Prepreg molding materials

Product Specifications

Properties	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Light yellow, solid lumps
Color*	Gardener	ASTM D 1544	Max 1
Solution Viscosity* @ 25°C	mPas	ASTM D 2196	460-650
Epoxy Equivalent Weight	gm/eq	ASTM D 1652	235-260

* 70% solution in butyl carbitol; **HTP: HSCL Testing Procedure**

Processing and Storage

Packing HSC 2303 is available in 35 Kg and 50 Kg fibre drums and also available as per customer requirement.

Safety & Handling Following instructions needs to be followed strictly. Keep working conditions clean. Allow fresh air in, if possible, provide ventilator. Avoid contact with human body directly, wear gloves and other personal protective equipment especially dust masks or respirators. Wash hands carefully with soap. If possible, wash with acetone and alcohol first, then soap and water. In case of eye contact, wash with running water for 15 minutes and then seek medical treatment.

Refer MSDS for better instruction on Safety & Handling.

Storage Conditions HSC 2303 should be stored at room temperature free of moisture, in the original containers kept tightly closed at temperatures between 5-40°C. Container once opened should be tightly closed to avoid contamination by foreign materials. The shelf life of HSC 2303 resin is 24 months.

Disclaimer All recommendations for use of our products, whether given by us in writing, verbally or to be implied from results of tests carried out by us are based on the current state of our knowledge. Notwithstanding any such recommendations the Buyer shall remain responsible for satisfying himself that the products as supplied by us are suitable for his intended process or purpose. Since we cannot control the application, use or processing of the products, we cannot accept responsibility. Therefore, the Buyer shall ensure that the intended use of the products will not infringe any third party's intellectual property rights. We warrant that our products are free from defects in accordance with and subject to our general conditions of supply.

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