



HSC 2300 (Solid Epoxy resin)

Product Description Unmodified medium molecular weight solid epoxy resin based on bisphenol A. Available in flake form.

Suitable for formulation of powder coatings when cured with variety of curing agents such as phenolic resins, Novolacs, acid anhydride, saturated polyesters and dicyandiamide

Features

- Superior melt viscosity,
- Superior flow and gloss,
- Good toughness.

Applications

- Powder coatings,
- adhesives,
- automotive primer and maintenance coatings,
- electrical insulation coatings,
- anticorrosion pipe and rebar coatings.

Product Specifications

Properties	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Clear Transparent Flakes
Color	Gardener	ASTM D 1544	<1
Solution Viscosity*	cPs	ASTM D 2196	435-550
Epoxy Equivalent Weight	g/Eq	ASTM D 1652	740-860
Glass Transition Temperature	°C	DSC	50 Min.
Epoxy Value	Eq/kg	ASTM D 1652-97	1.16-1.35
Density	g/ cc	HTP-6	1.15±0.05
Softening Point	°C	ASTM D 6090-99	93-101

* 40% solution in butyl carbitol

HTP: HSCL Testing Procedure

Processing and Storage

Packing HSC 2300 is available in 25Kg bags.

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.

- c. Wash hands carefully with soap. If possible, wash with acetone and alcohol first, then soap and water.
- d. 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 2300 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 2300 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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