



HSC 2305 (Solid Epoxy Resin)

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

It is mainly used to make single pack, baking type epoxy-amino, epoxy-phenolic coatings. This product can also be used in the manufacturing of epoxy esters, to produce industrial protective coatings. The high hydroxyl content of HSC 2305 can be used to prepare ambient, polyisocyanate curable, 2K system. HSC 2305 are good for metal decoration, verity of exterior and interior coatings of tubes, cans, coils, drums and other industrial applications.

Key Properties

- Excellent flexibility,
- High temperature strength,
- Exceptional adhesion and good toughness

Applications

- Coating for Can and drum lining.
- Coating for tubes and coils
- electrical insulation coatings,
- Manufacturing of epoxy esters.

Product Specifications

Properties	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Light Yellow Flakes
Color*	Gardener	ASTM D 1544	0.5 Max.
Solution Viscosity* @ 25°C	mPas	ASTM D 2196	1600-2200
Epoxy Equivalent Weight	gm/eq	ASTM D 1652	1700-2100
Softening Point	°C	ASTM D 6090-99	117-127

* 40% solution in butyl carbitol

HTP: HSCL Testing Procedure

Processing and Storage

Packing HSC 2305 is available in 25 Kg bags. Other packing options are available on request.

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 2305 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 2305 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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