



HSC 2343 (Solid Epoxy resin)

Product Description Unmodified medium molecular weight, solid epoxy resin based on bisphenol A. HSC 2343 is type-4 solid epoxy resin and available in flake form. This grade is recommended for directly epoxy systems as well as for making epoxy ester resins by reacting with appropriate amounts of fatty acids using suitable catalysts.

Key Properties

- Better gloss
- Excellent mechanical properties
- Chemical resistance

Applications

- Enamels and protective coatings, adhesives
- Hybrid powder coatings
- Pure epoxy powder coatings
- Manufacturing of epoxy esters

Product Specification	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Light Yellow Flakes
Color*	Gardener	ASTM D 1544	<1
Epoxy Equivalent Weight	gm/eq	ASTM D 1652	900-975
Solution Viscosity* @ 25 °C	mPas	ASTM D 2196	500-900
Melt Viscosity @ 175 °C	mPas	ASTM D 4287-00	2000-4000
Melt Viscosity @ 200 °C	mPas	ASTM D 4287-00	800-1600
Softening Point	°C	ASTM D 6090-99	97-107

* 40% solution in butyl carbitol

Processing and Storage

Packing HSC 2343 is available in 25 Kg bags. Other packs are also available on customer's 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

Shelf life Shelf life is 24 months from date of manufacturing.

Storage Conditions

HSC 2343 should be stored at normal ambient conditions, in the original containers kept tightly closed at dry and cool place. Container once opened should be tightly closed to avoid contamination by foreign materials. 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. It is advised to take proper precaution while emptying bags of HSC 2343 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.

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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