



HSC 2306 (Solid Epoxy Resin)

Product Description HSC 2306 is unmodified high molecular weight solid epoxy resin based on bisphenol A. Available in flake form.

HSC 2306 has higher softening point and can be cured with amino or phenolic resins for use in the below applications:

- Linings for all types of cans, tubes and metal containers.
- Heat-curing primers and enamels those are both mechanically and chemically resistant.
- Anticorrosion paints can be cured at room temperature when combined with polyisocyanates.

It can also use to make single pack, baking type epoxy-amino, epoxy-phenolic coatings that are used in packaging industry.

Key Properties

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

Applications

- Coating for Can and drum lining
- Coating for tubes and coils
- Manufacturing of epoxy esters

Product Specifications

Properties	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Light Yellow Flakes
Color*	Gardener	ASTM D 1544	1.0 Max.
Solution Viscosity* @ 25°C	mPas	ASTM D 2196	5000-10000
Epoxy Equivalent Weight	gm/eq	ASTM D 1652	2400-2900
Softening Point	°C	ASTM D 6090-99	130-150

* 40% solution in butyl carbitol
HTP: HSCL Testing Procedure

Processing and Storage

Packing HSC 2306 is available in 25 Kg bags. Other packing options are available on request.

Safety & Following instructions needs to be followed strictly.

Handling 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 2306 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 2306 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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