



(Unmodified Epoxy Resin)

HSC 1100

Product Description Unmodified medium viscosity liquid epoxy resin derived from epichlorohydrin and bisphenol A.

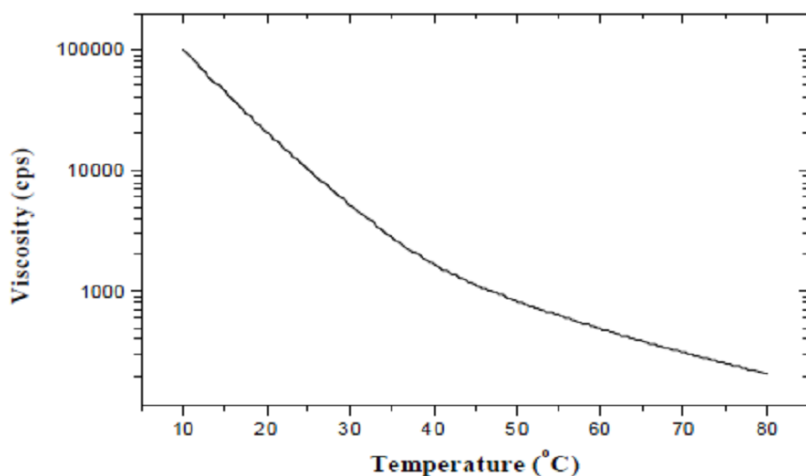
Various curing agents are available to cure liquid epoxy resins like at ambient cure conditions (Polyamines, polyamides, amidoamines, cycloaliphatic amines, phenalkamines etc.) and at elevated temperature cure conditions (Anhydrides or other catalytic curing agent).

Applications & Key Properties Adhesive, casting and tooling, civil and building, composites, solvent free and high solids coatings, marine and protective coating, potting and encapsulation

Good chemical resistance, Good thermal resistance, Excellent adhesion, Excellent mechanical and electrical properties, Good pigment wetting

Product Specification	Units	Value
Appearance	Visual	Clear Liquid
Color	Gardener	<1
Viscosity	cPs	11000-15000
Epoxy Equivalent Weight	g/Eq	184-194
Density	g/ cc	1.15±0.05
Hydrolysable Chlorine	ppm	Max 500
Shelf Life	Months	24

Viscosity vs. Temperature Profile



With the increase in temperature the reduction in viscosity is observed, the typical viscosity at temperatures >80°C is < 100 cPs.

Processing and Storage

Packing HSC 1100 is available in bulk packing of drums, IBC's and container. For handling and pumping the maximum temperature shall not exceed 80°C

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.
- 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 1100 should be stored at room temperature free of moisture, in the original containers kept tightly closed. If haziness or crystallises is observed on opening the can, warm the resin at 45-50°C with stirring to bring back to original conditions. Container once opened should be tightly closed to avoid contamination by foreign materials.

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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