



Resin HSC 7662

(Modified Medium Viscosity Epoxy Resin)

Product Description Modified 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).

Features

- This resin offers excellent fibre wetting and eventually superior mechanical properties, electrical properties and thermal resistance with negligible shrinkage, intramolecular stresses and excellent hydrophobicity.

Applications

- Filament winding, pultrusion of structure and industrial composites like electrical laminates.

Product Specifications

Properties	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Clear Liquid
Color	Gardener	ASTM D1544	<1
Viscosity	cPs	ASTM D2196	9000-13000
Epoxy Equivalent Weight	g/Eq	ASTM D 1652	175-195
Density	g/ cc	HTP-6	1.15±0.05
Hydrolysable Chlorine	ppm	ASTM D1726	Max 600

HTP: HSCL Testing Procedure

Processing and Storage

Packing HSC 7662 is available in bulk packing of drums. 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.

- 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 7662 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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