



HSC 4500

(Cycloaliphatic Epoxy Resin)

Product Description HSC 4500 is cycloaliphatic epoxy resin based on hexahydrophthalic anhydride. This product has low viscosity and good UV resistance. Product can be cured with carboxylic anhydrides using accelerator. The cured product exhibits an excellent dielectric properties and high deflection temperature.

Applications & Key Properties Majorly used in electrical insulating components, switch gear, motors, generators and instrument transformers

Low viscosity, Excellent arc and track resistance, Outstanding UV resistance, superior electrical and mechanical properties, Fine thermal shock resistance, UV resistant

Product Specification	Units	Reference Standard	Value
Appearance	Visual	HTP-1	Clear Liquid
Color	Gardener	ASTM D 1544	Max 1
Viscosity @ 25°C	mPas	ASTM D 2196	500-1100
Epoxy Equivalent Weight	gm/eq	ASTM D 1652	160-180
Hydrolysable chlorine	%	ASTM D 1726	Max 1

Processing and Storage

Packing HSC 4500 is available in bulk packing of 220 Kg MS/HDPE drums. Other packs 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 4500 should be stored at room temperature free of moisture, in the original containers kept tightly closed at temperatures between 5-35°C. Container once opened should be tightly closed to avoid contamination by foreign materials. The shelf life of the 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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