

Technical Data Sheet

Hardener HSC 8210 (Aliphatic Polyamine)

Product Description

HSC 8210 is liquid aliphatic polyamine curing agent, it is used in combination with standard unmodified liquid epoxy resins, offers a short pot life and cures at a rapid speed.

Features

- Good hardness, toughness
- Chemical resistance

Applications

- It is used for various applications like casting, potting and encapsulation with various HSCL products
- Various including electrical insulation with HSC 7560
- composites with HSC 7600 and HSC 7660
- Crack filling with HSC 7450

Product Specifications

Properties	Units	Reference standard	Value
Appearance	Visual	HTP-1	Clear Liquid
Color	Gardener	ASTM D 1544	Max. 1
Viscosity @ 25°C	mPas	ASTM D 2196	15-25
AHEW	g/eq	NA	23

Mix Properties	Units	Reference standard	Value
Mix ratio with Epoxy Resin of EEW~185	Pbw	NA	100:10
Pot life (100gm) @ 25 °C	Minutes	ASTM D 2471	20-25

HTP: HSCL Testing Procedure, NA: Not Applicable

Processing and Storage

Packaging

HSC 8210 available in bulk packing of drums and container in packing size of 200 kg and 30 kg. Other packaging may be considered 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.

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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 8210 may absorb moisture and CO₂ if drums are not closed well. Curing agent should be stocked in dry place at a temperature between 5 and 35°C; in this condition. Lower temperature could bring increase in viscosity (reversible) and haziness. Curing agent and epoxy resin must be mixed just before application. Container once opened should be tightly closed to avoid contamination by foreign materials. The shelf life is 12 months for hardener.

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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