ALPHA® HI-POXY 9554W

DESCRIPTION

ALPHA HI-POXY 9554W is one component epoxy to cure in low-temperature range. It is designed for bonding heat sensitive devices.

READ ENTIRE TECHNICAL DATA SHEET BEFORE USING THIS PRODUCT

FEATURES AND BENEFITS

- One component
- Halogen-free
- Fast cure at low-temperature
- Excellent adhesion
- Excellent workability

PRODUCT INFORMATION

Chemical Type:	Epoxy
Appearance:	White paste
Curing Method:	Heat cure
Typical Applications:	Adhesive
Packing:	ALPHA HI-POXY 9554W product can be filled in various specified syringes per customer request.

TECHNICAL DATA

Category	Results
Typical Properties of Uncured Material	
Viscosity (RVDV-II Brookfield #7, 30rpm, @25 °C , cps)	40,000 to 46,000
Specific Gravity	1.2 to 1.4
Pot Life @ 25 °C, days	5
Shelf Life @ -20 to -40 °C, months	6

Recommended Cure Condition

220 to 400 seconds @ 80 (±5) °C (Convection oven)

Optimal cure conditions will depend on curing equipment.

Cure conditions may be dissimilar based on customers working process and application requirements.

Use recommended cure condition as general guideline. Other cure conditions may yield satisfactory results.

Category	Results
Physical Properties of Cured Material	
Hardness (Shore D)	70 to 80
Glass Transition Temperature (Tg), TMA	50 to 60
Coefficient of Thermal Expansion, TMA $^{a}_{1}$,<Tg,ppm $^{a}_{2}$,<Tg,ppm	 65 to 75 170 to 190
Corrosion 95hours @ 40 °C, 95%RH	None
Moisture Absorption, wt% 24hours @ water/25 °C	≤1.0
Insulation Resistance 95hours @ 40 °C, 95%RH	≥1 x 10^{12}

SAFETY & WARNING

It is recommended that the company/operator read and review the Safety Data Sheets for the appropriate health and safety warnings before use. **Safety Data Sheets are available.**

STORAGE

Optimal Storage: -20 °C

Store in unopened container, freezer at below -20 °C.

Storage greater than -20 °C can adversely affect product properties.

Pot life of material is valid when stored at suggested storage condition. Inappropriate storage may degrade the performance of the product during dispensing and final cured properties.

Transfer product from dry ice to freezer with **NO** delays.

DO NOT open the cap before the product is sufficiently thawed.

Material must be thawed at room temperature for 2hours.

DO NOT re-freeze. Product should not be re-frozen, once thawed from room temperature.

DO NOT return product to original container.

CONTACT INFORMATION

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE . Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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