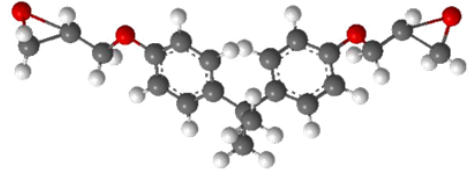


EPORITE



EPORITE 2070-1

GENERAL

EPORITE 2070-1 is a one-component thermal conductive adhesive recommended especially for adhesion on various electronic parts required thermal conductive property. The cured EPORITE 2070-1 exhibits excellent physical and dielectric properties, and heat stability.

STORAGE

Seal the containers tightly & store at temperature lower than 5°C but not less than -10°C. Unfreeze at room temperature at least 0.5 ~ 1 hour before using.

HANDLING AND SAFETY

Gloves and glasses are suggested for user's personal protection. Clean with soap and water when skin contact.

PROCESSING

Apply EPORITE 2070-1 on the adhesion surface. Attach two parts and cure at temperature 130°C/1 hr or 150°C/0.5 hr.

SPECIFICATION

Specification	EPORITE 2070-1
Chemical Type	Epoxy Compound
Appearance	White Paste
Specific Gravity	1.6 ± 0.1 g/cm ³
Viscosity(25°C)	230k ± 60k cps
Shelf Life (5°C)	3 months
Gel Time(130°C)	10 min
Curing Condition	130°C/1 hr or 150°C/0.5 hr

PROPERTIES OF THE CURED RESIN

Property	EPORITE 2070-1
Hardness (Shore D)	85 ~ 95
Glass Transition Temperature (°C)	105 ~ 125
Adhesive Strength (kg/cm ²)	> 90
Break Down Voltage (kV/mm)	15 ~ 20
Coefficient of Thermal Expansion (mm/mm/°C)	(α_1) 30 ~ 50×10 ⁻⁶ (α_2) 110 ~ 150×10 ⁻⁶
Moisture Contain (wt%)	< 0.3%
Thermal Conductivity (W/mK)	1.4 ~ 1.6

REMARK

The information contained is believed to be reliable and only for the reference without any effective guarantee for the application of the user. The user is responsible to determine the suitability for the user's application and the reliability of the products. Epolab Chemical will not accept claim of warranties of the fitness or reliability for a particular purpose especially the liability for consequential damages of end products.



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