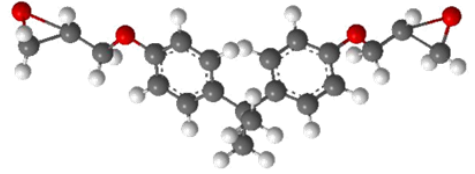


# EPORITE



## EPORITE 5207 A / B

### GENERAL

EPORITE 5207 A / B is a two - components epoxy potting and sealing system which is recommended for potting and encapsulating of electronic components.

The cured EPORITE 5207 A / B exhibits excellent physical properties and heat stability.

### STORAGE

Store A & B parts at temperature lower than 30°C but not less than 5°C. Keep the containers at dry place & sealed tightly.

### HANDLING AND SAFETY

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

### PROCESSING

1. Well mixed with mixing ratio A:B = 1:1 by weight.
2. Potting/casting associated with vacuum process.
3. Curing condition at 130°C for 2 hr. Post-curing with 150°C for 4 hr.

NOTE: The process can be adjusted according to the specific manufacturing process or performance requirement.

### SPECIFICATION

Specification	EPORITE 5207A	EPORITE 5207B
Chemical Type	Epoxy Resin	Anhydride
Appearance	Clear Liquid	Light Yellow Liquid
Specific Gravity	1.2 ± 0.1	1.2 ± 0.1
Viscosity (25°C)	14000 ± 3500 cps	100 ± 50 cps
Mixing Ratio (by weight)	1	1
Shelf Life (25°C)	6 months	6 months
Mixing Viscosity (25°C)	650 ± 175 cps	
Pot Life (25°C)	> 180 min/140 g	
Gel Time (120°C)	66 min/10 g	
Curing Condition	130°C/2 hr + 150°C/4 hr	

### PROPERTIES OF THE CURED RESIN

Property	EPORITE 5207 A / B
Hardness (Shore D)	85 ~ 95
Glass Transition Temperature (°C)	50 ~ 70
Coefficient of Thermal Expansion (mm/ mm/°C)	( $\alpha_1$ ) 65 ~ 85×10 <sup>-6</sup> ( $\alpha_2$ ) 200 ~ 260×10 <sup>-6</sup>
Moisture absorption (wt %)	< 0.5
Break Down Voltage (kV/mm)	> 20

### 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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