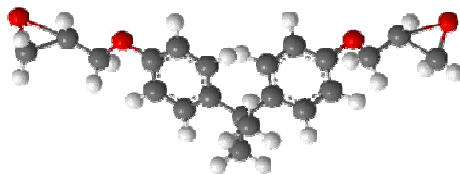


# EPORITE



## ***EPORITE 5502 A / B***

### **GENERAL**

EPORITE 5502 A / B is a two - components epoxy potting and sealing system which is recommended for potting and encapsulating of electronic components.

The cured EPORITE 5502 A / B exhibits excellent mechanical and dielectric properties and very good thermal shock resistance.

### **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 = 100:28 by weight.
2. Potting/casting associated with vacuum process.
3. Curing condition at 90~100°C for 4 ~ 8hr. Post- curing with 120 ~ 130°C for 4 ~ 8 hr.

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

### **SPECIFICATION**

Specification	EPORITE 5502A	EPORITE 5502B
Chemical Type	Epoxy Resin	Anhydride
Appearance	Grey Paste	Light Yellow Liquid
Specific Gravity	1.83 ± 0.05	1.2 ± 0.05
Viscosity	13325 ± 3325 cps(70°C)	50~75 cps(25°C)
Mixing Ratio (by weight)	100	28
Shelf Life (25°C)	6 months	6 months
Mixing Viscosity (25°C)	4400 ± 1100 cps	
Pot Life (25°C)	> 300 min/192 g	
Gel Time (120°C)	22.5 ± 7.5 min/10 g	
Curing Condition	90 ~ 100°C/4 ~ 8 hr + 120 ~ 130°C/4 ~ 8 hr	

### **PROPERTIES OF THE CURED RESIN**

Property	EPORITE 5502 A / B
Hardness (Shore D)	90 ~ 98
Glass Transition Temperature (°C)	115 ~ 135
Coefficient of Thermal Expansion (mm/ mm/°C)	( $\alpha_1$ ) 40 ~ 60×10 <sup>-6</sup> ( $\alpha_2$ ) 190 ~ 250×10 <sup>-6</sup>
Moisture absorption (wt %)	< 0.5

### **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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