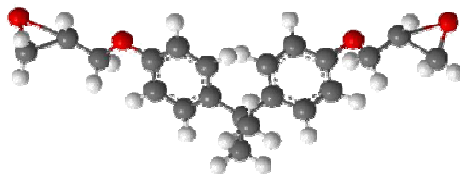


# EPORITE



## ***EPORITE 5433 A / B***

### **GENERAL**

EPORITE 5433 A / B is a two - components epoxy potting and sealing system which is recommended for potting and encapsulating of electronic components.

The cured EPORITE 5433 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 =4:1 by weight.
2. Potting/casting associated with vacuum process.
3. Curing condition at 25°C for 24 hr or at 60 ~ 80°C for 2 ~ 4 hr.

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

### **SPECIFICATION**

Specification	EPORITE 5433A	EPORITE 5433B
Chemical Type	Epoxy Resin	Modified Amine
Appearance	Black Liquid	Light Yellow Liquid
Specific Gravity	1.6 ± 0.2	1.0 ± 0.2
Viscosity (25°C)	15000 ± 3750 cps	1100 ± 275 cps
Mixing Ratio (by weight)	4	1
Shelf Life (25°C)	6 months	6 months
Mixing Viscosity (25°C)	4200 ± 1050 cps	
Pot Life (25°C)	60 min/175g	
Gel Time (80°C)	13 min/10 g	
Curing Condition	25°C/24 hr or 60 ~ 80°C/2 ~ 4 hr	

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

Property	EPORITE 5433 A / B
Hardness (Shore D)	80 ~ 90
Glass Transition Temperature (°C)	35 ~ 55
Coefficient of Thermal Expansion (mm/ mm/°C)	( $\alpha_1$ ) 40 ~ 60×10 <sup>-6</sup> ( $\alpha_2$ ) 120 ~ 180×10 <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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