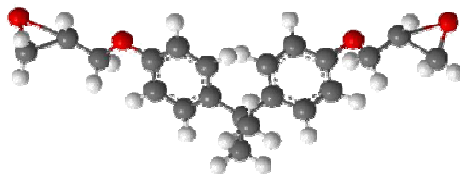


# EPORITE



## ***EPORITE 2102 A / B***

### **GENERAL**

EPORITE 2102 A / B is a two - components epoxy adhesive recommended for adhesion on various materials such as wood, plastic & steel.

The cured EPORITE 2102 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
3. Curing condition at 25°C for 4 hr.

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

### **SPECIFICATION**

Specification	EPORITE 2102A	EPORITE 2102B
Chemical Type	Epoxy Resin	Modified Amine
Appearance	White Liquid	Black Liquid
Specific Gravity	1.4 ± 0.1	1.5 ± 0.1
Viscosity (25°C)	84000 ± 21000 cps	64000 ± 16000 cps
Mixing Ratio (by weight)	1	1
Shelf Life (25°C)	6 months	6 months
Mixing Viscosity (25°C)	7500 ± 2000 cps	
Pot Life (25°C)	6 min/200 g	
Gel Time (80°C)	3 min/10 g	
Curing Condition	25°C/4 hr	

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

Property	EPORITE 2102A / B
Hardness (Shore D)	65 ~ 75
Glass Transition Temperature (°C)	30 ~ 50
Coefficient of Thermal Expansion (mm/ mm/°C)	( $\alpha_1$ ) 40 ~ 60×10 <sup>-6</sup> ( $\alpha_2$ ) 160 ~ 220×10 <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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