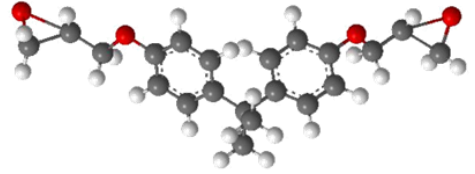


# EPORITE



## ***EPORITE EHM-30611***

### **GENERAL**

EPORITE EHM-30611 is a one-component epoxy hot melt system recommended especially for fiber-reinforced prepreg.

The cured EPORITE EHM-30611 exhibits excellent physical properties such as mechanical strength, and heat stability.

### **STORAGE**

Store EPORITE EHM-30611 at temperature lower than 5°C.

### **HANDLING AND SAFETY**

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

### **PROCESSING**

1. Coating process: 70 ~ 75°C
2. Impregnation process: 100 ~ 105°C
3. Prepreg Storage: lower than 5°C
4. Curing Condition:
  - A. Molding process: Table rolling process: 90 ~ 100°C / 0.5 hr + 150°C / 1.5 hr.
  - B. Molding process: 150°C / 0.5 ~ 1 hr.
5. \*Above all temperatures are suggested temperatures.

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

### **SPECIFICATION**

Specification	EPORITE EHM-30611
Chemical Type	Epoxy Compound
Appearance	White solid
Viscosity (70°C)	58000 ± 20000 cps
Shelf Life	6 months (5°C) or 1 month (25°C)
Gel Time (min, 0.2g @ 150°C)	< 7min
DSC Peak Time (min, 150°C)*	1.0~3.0
Glass Transition Temperature (°C) *	120-140

\*Curing conditions :DSC, Isothermal, 150°C/60min

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

Specimen Information:

(Prepreg is provided by the customer, test data for reference.)

Prepreg: STS-12K · 24T · RC 33% · FAW 240 ; Unit-dimension (0° ).

Thickness: 3.1mm (about 17 layers), 100 °C laminating + 130 °C / 4hr post curing.

Mechanical Property	EPORITE EHM-30611
Flexure Strength (Mpa)	>1200
Young's Modulus (Gpa)	> 108
Tensile stress (MPa)	> 900

### **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.



**EPOLAB CHEMICAL INDUSTRIES INC.**

No. 11, Ho-Jiun N. Rd., Chung-Li Ind. Park, Chung-Li, Taoyuan 320, Taiwan

Tel : 886-3-4521501~3 Fax : 886-3-4529318 [service@epolab.com.tw](mailto:service@epolab.com.tw) [www.epolab.com](http://www.epolab.com)