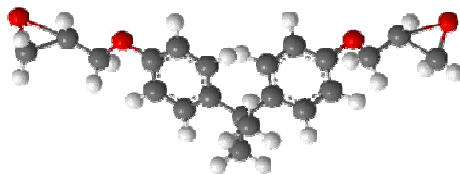


EPORITE



EPORITE 3809-3 A / B

GENERAL

EPORITE 3809-3 A / B is a two-components epoxy coating system which is recommended as the primer for fiber reinforced composite or metal.

The cured coating exhibits very good adhesive strength and excellent impact 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 (especially B part).

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 = 100:25 by weight. Dilute with suitable solvent.
2. Spray coating with curing condition 80 ~ 100°C/0.5 ~ 1 hr.

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

SPECIFICATION

| Specification | EPORITE3809-3A | EPORITE 3809-3B |
|--------------------------|---------------------------------|---------------------|
| Chemical Type | Epoxy Resin | Polyamide |
| Appearance | Gray Liquid | Light Yellow Liquid |
| Specific Gravity | 1.5 ± 0.2 | 0.9 ± 0.1 |
| Viscosity (25°C) | 60000 ± 15000 cps | 100 ± 50 cps |
| Mixing Ratio (by weight) | 100 | 25 |
| Shelf Life (25°C) | 6 months | 6 months |
| Mixing Viscosity (25°C) | 3500 ± 1000 cps | |
| Pot Life (25°C) | > 120 min/500 g | |
| Gel Time (80°C) | 5 ~ 10 min/0.2 g (thin coating) | |
| Curing Condition | 80 ~ 100°C/0.5 ~ 1 hr | |

PROPERTIES OF THE CURED RESIN

| Property | EPORITE 3809-3 A / B |
|--|---|
| Hardness (Shore D) | 60 ~ 70 |
| Glass Transition Temperature (°C) | 40 ~ 60 |
| Coefficient of Thermal Expansion (mm/ mm/°C) | (α_1) 40~ 60×10 ⁻⁶ (α_2) 120 ~ 180×10 ⁻⁶ |
| Moisture absorption (wt %) | < 0.5 |
| Impact Test (30 cm) | Pass |

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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