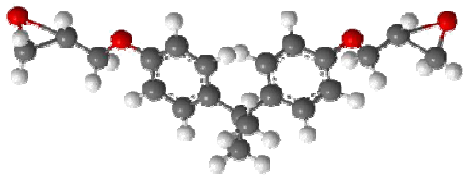
EPORITE



EPORITE 5957 A / B

GENERAL

EPORITE 5957 A / B is a two - components epoxy potting and sealing system which is recommended for the application for large electronic parts such as bushings and transformers.

The cured EPORITE 5957 A / B exhibits excellent mechanical and dielectric properties.

STORAGE

Store A & B parts at temperature lower than 30℃ but not less than 5℃. 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 associated with vacuum process.
3. Curing condition at 90~100℃ for 4 ~ 8hr. Post- curing with 120 ~ 130℃ for 4 ~ 8 hr.

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

SPECIFICATION

Specification	EPORITE 5957A	EPORITE 5957B
Chemical Type	Epoxy Resin	Anhydride
Appearance	Brick Red Liquid	Brick Red Liquid
Specific Gravity	1.6 ± 0.2	1.7 ± 0.2
Viscosity	76000 ± 19000 cps	3600 ± 900 cps
Mixing Ratio (by weight)	1	1
Shelf Life (25℃)	6 months	6 months
Mixing Viscosity (25℃)	16000 ± 4000 cps	
Pot Life (25℃)	> 300 min/200 g	
Gel Time (120℃)	36 min/10 g	
Curing Condition	90~100℃/4 ~ 8 hr + 120 ~ 130℃/4 ~ 8 hr	

PROPERTIES OF THE CURED RESIN

Property	EPORITE 5957 A / B
Hardness (Shore D)	85 ~ 95
Glass Transition Temperature (℃)	55 ~ 75
Coefficient of Thermal Expansion (mm/ mm/℃)	(α_1) 35 ~ 55×10^{-6} (α_2) 145~ 180×10^{-6}
Moisture absorption (wt %)	< 0.5
Break Down Voltage (kV/mm^2)	> 20

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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