

エピフォーム®

EpiformE-9224
General property

TECHNICAL
INFORMATION

2013.06.20
D-TI-000E9224-001-B
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Epiform E-9224 is a formulated one-component epoxy resin and has good heat resistance for long-term.

It retains its shape during curing, does not drip down.

《FEATURES》

- Easy to use without measuring and mixing
- Good shape retention during curing by thixotropy
- Excellent adhesive strength at high temperature
- Good heat resistance for long-term
- Excellent electrical resistance

《性状及び使用条件》

特性項目	単位	E-9224
Main ingredient	—	Epoxy resin Acid anhydride
Appearance	—	Yellow liquid
Viscosity (25°C)	Pa·s	7.0
Specific gravity (25°C)	—	1.22
Gel time (150°C)	sec.	160
Curing condition (a example)	—	150°C × 60min



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《硬化物特性》

特性項目	単位	E-9224
Hardness(shore D)	—	84
Flexural strength	MPa	132
Flexural modulus	GPa	2.9
Tensile strength	MPa	59
Tensile modulus (Young's modulus)	GPa	0.96
Glass transition Temperature (TMA method)	°C	179
Co-efficient of liner expansion	1/°C	<Tg: 67×10^{-6} >Tg: 192×10^{-6}
Volume resistance	$\Omega \cdot \text{cm}$	2×10^{16}
Dielectric constant	—	1kHz: 4.0 1MHz: 3.8
Dissipation Factor	—	1kHz: 0.005 1MHz: 0.018
Break down voltage	kV/mm	26
Tensile Shear Strength (SPCC)	MPa	25°C: 12.3 150°C: 12.2 180°C: 4.1 200°C: 2.3 230°C: 1.4

The values herein are only reference, not specified figures

Curing Condition of the samples above : 100°C × 1hr. + 150°C × 1hr. + 180°C × 3hr.