



Epiform F-6975 is a formulated powder epoxy resin used for the coil insulation.

[Features]

- High melt-flow rate
- Fast curing
- Good electrical resistance
- Good heat resistance
- Good adhesive strength

[Powder Properties]

Item	Unit	Value
Appearance	—	gray powder
Gel Time (200°C)	sec	22
Horizontal Flow Rate (140°C)	%	28
Bulk Density	g/cm ³	0.78
Shelf Life (at 20°C)	month	>3

[Cured Properties]

Item	Unit	Value
Volume Resistance	Ω · cm	2.5×10^{16}
Breakdown Voltage	kV/mm	37.4
Cut-Through Resistance	°C	400
Glass Transition Temperature	°C	128
Co-Efficient of Linear Expansion	1/°C	under T _g : 36×10^{-6} over T _g : 110×10^{-6}
Impact Strength (Head 1/8 inch φ , 500g)	cm	25
Longitudinal Shear Strength (Iron/Iron : SPCC-SD)	MPa	25°C : 20.0 230°C : 1.4
Cross-Cut	—	0/100
Flame retardancy (UL94)	—	HB equivalent

The values herein are only reference, not specified figures.
Curing condition of the samples above : 190°C × 20min.

The above values are tentative averages and not intended for specification purposes.