

Product
Bulletin

U106

High adhesion to most surfaces, low exotherm, low internal stress and minimal shrinkage during polymerization. Excellent for electronic modules, coils, etc.

GENERAL DESCRIPTION

U106 offers the most advanced technology in urethane rubber encapsulating systems.

Maximum physical, thermal, and electrical properties are the outstanding features along with long working pot life and low viscosity for easy pouring.

U106 has high adhesion to most surfaces, low exotherm, low internal stress and minimal shrinkage during polymerization.

U106 is excellent for potting and encapsulating electronic modules, coils and micro-electronic networks that require thermal cycling extremes and low pressure on delicate components.

E40-401 is available in sample kits for evaluation and is in stock in various container sizes.

SPECIFICATIONS
HANDLING CHARACTERISTICS

Mix Ratio, Catalyst to Resin, by Weight:	3:5
Workable Pot Life, 100 g @ 25°C:	30 min.
Mixed Viscosity @ 25°C cps:	3,300
Recommended Cure:	24 hrs. @ room temp.
Color:	Off white

PHYSICAL CHARACTERISTICS

Shrinkage Linear, in / in:	0.001
Hardness, Shore A:	65
Specific Gravity, 25°C / 25°C:	1.27
Tensile Strength, psi:	820
Compressive Strength, psi:	20

THERMAL CHARACTERISTICS

Thermal Conductivity, btu / hr / ft ² / °F / in:	2.8
Heat Distortion, °C:	80
Operating Temperature Range, °C:	-50 to +125

ELECTRICAL CHARACTERISTICS

Dielectric Strength, volts / mil:	550
Dielectric Constant, 60 Hz:	3.0
Dissipation Factor, 60 Hz:	0.031
Volume Resistivity, ohm · cm:	1.78 x 10 ¹⁵