



A low viscosity, optically clear epoxy

An electrically isolating epoxy compound, 5051 bonds well to most substrates such as metals, glass, ceramics, and most plastics. The material is free flowing, making it ideal for potting and underfill applications.

This product will exotherm if cured at high temperatures in masses greater than 5 grams. Contact Appli-Tec for step cure instructions if curing in larger masses.

Work Life @ 25°C 8 hours Mixed Viscosity @ 25°C 320 cPs Pot Life @ 25°C 4hours Shelf Life 12 months @ 25°C (2-part Kits) 12 months @ -40°C (Cryo-Pac®) Mix Ratio 100A : 34.5B Parts By Weight CURE OPTIONS 6hours @ 80°C 8 hours @ 65°C 8days @ 25°C CURED PROPERTIES Based on cure of 6 hours @ 80°C Color Clear Shore D Hardness 83 Glass Transition Temp (°C) 85 Lap Shear 2024T3 Clad (psi) 3,300 Density (g/cc) 1.15 Refractive Index 1.56 Shrinkage Linear (%) 0.2 ELECTRICAL Based on cure of 6 hours @ 80°C Dielectric Constant 3.013 @ 60 Hz 3.052 @ 1k Hz 2.846 @ 100k Hz Dissipation Factor 0.0061 @ 60 Hz 0.0118 @ 1k Hz 0.0382 @ 100k Hz Volume Resistivity (ohm-cm) 1.7E 16 @ 500 VDC THERMAL PROPERTIES Based on cure of 6 hours @ 80°C Degradation Temp (°C) 250 OUTGASSING Based on cure of 6 hours @ 80°C PROPERTIES TML (%) 0.58 CVCM (%) 0.01 WVR (%) 0.26 ACOUSTIC Based on cure of 6 hours @ 80°C		
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	0.0	
ACQUISTIC Pased on sure of 4 hours @ 90°C	0.2	
PROPERTIES		ed on cure of 6 hours @ 80°C
Velocity (m/s) 2,645	n/s) 2,6	5

Bonds Well to Most Substrates Free Flowing Low Outgassing Wicks Easily Into Tight Spaces
Low Outgassing
Wicks Easily Into Tight Spaces
Long Work Life
Low Viscosity
Optically Clear
User-friendly Packaging

Chat with a specialist:

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Impedance (MRayles)	3.05	
Loss (dB/cm-MHz)	-6.2	
Density (g/cc)	1.15	