APPLI-TEC
THERMOSET ADHESIVE SOLUTIONS
ISO 9001 / AS9100 CERTIFIED

5340 Epoxy

Thermally conductive, two-part epoxy packaged in 1:1 cartridges

A two-part epoxy, 5340 delivers ease of application and doesn't settle during storage. The material features good dielectric properties, high lap-shear strength, and passes NASA outgas requirements. With its high lap-shear strength, 5340 Epoxy offers excellent adhesion, an important consideration for potting and bonding applications where keeping out moisture – and preventing potential delamination – is critical.

UNCURED	
Pot Life @ 25°C	90 Minutes
Viscosity, Part A, @ 25°C	115,000 cPs
Viscosity, Part B, @ 25°C	140,000 cPs
Viscosity, Mixed, @ 25°C	120,000 cPs
Thixotropic Index	1.6
Shelf Life @ 15-25°C	6 Months from Date of Shipment
Mix Ratio 100A-100B	Parts by Volume
Mix Ratio 100A-100B	Parts by Weight
CURED OPTIONS	2 hours @ 80°C 24 hrs @ 25°C (Handling) 7 Days @ 25°C (Full Cure)
CURED PROPERTIES	Based on cure of 2 hours @ 80°C
Color	Off-White
Shore D Hardness	90
Glass Transition Temp (°C)	70
Density (g/cc)	2.19
Lap Shear (psi)	2400
Moisture Absorption (%)	0.05 (24hrs, ambient)
ELECTRICAL PROPERTIES	Based on cure of 2 hours @ 80°C
Dielectric Constant, 1MHz	4.44
Dissipation Factor, 1MHz	0.013
Dielectric Strength (volts/mil)	550
Volume Resistivity (ohm-cm)	1.7E+15@ 500 VDC
THERMAL PROPERTIES	Based on cure of 2 hours @ 80°C
CTE below Tg (ppm/°C)	35.7
CTE above Tg (ppm/°C)	114.6
Glass Transition Temp (°C)	70
Thermal Conductivity (W/mK)	1
Operating Temperature (°C)	-50 to 150
OUTGASSING PROPERTIES	Based on cure of 2 hours @ 80°C
TML (%)	0.42

KEY FEATURES

- Electrically Insulative
- Thermally Conductive
- Convenient Mix Ratio
- Flowable
- √ RoHS Compliant

Chat with a specialist:

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Rev E **6-10-2025**

CVCM (%)	0.02
WVR (%)	0.16
ACOUSTIC PROPERTIES	
Velocity (m/s)	2909
Impedance (MRayls)	6.369
Loss (dB/cm-MHz)	-9.41
Density (g/cc)	2.19