

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

5340 is a thermally conductive epoxy designed for ease of application. It is conveniently packaged in 1:1 by volume cartridges and does not settle during storage. 5340 features good dielectric properties, good thermal conductivity, and passes NASA outgas requirements.

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
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
CVCM (%)	0.02
WVR (%)	0.16

KEY FEATURES

- Electrically Isolating
- Thermally Conductive
- Convenient Mix Ratio
- Flowable
- ✓ RoHS Compliant

Chat with a specialist:

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Rev C

5-15-24

**ACOUSTIC
PROPERTIES**

Velocity (m/s) 2909

Impedance (MRayls) 6.369

Loss (dB/cm-MHz) -9.41

Density (g/cc) 2.19