

A low viscosity, optically clear epoxy.

5032 is an optically clear, low viscosity, electrically isolating adhesive. The material features a long work life and room temperature cure. Its low viscosity and Newtonian behavior make this an excellent material to wick into confined areas. 5032 bonds well to most substrates such as metals, glass, ceramics, and most plastics. 5032 is available in bulk as well as prepackaged kits for ease use.

UNCURED	
Work Life @ 25°C	4 hours
Viscosity Mixed @ 25°C	600
Viscosity Part A	12,000 cPs
Viscosity Part B	10cPs
Pot Life @ 25°C	1.25 hours
Shelf Life Unmixed @ RT	12 Months
Shelf Life Mixed @ -40°C	12 Months
Mix Ratio A:B	100:33.7 Parts by Weight
CURE OPTIONS	
24 hours @ 25°C	(handling)
4 hours @ 65°C	(full properties)
4 days @ 25°C	(full properties)
CURED PROPERTIES	
Based on cure of 4 hours @ 65°C	
Color	Clear
Shore D Hardness	85
Glass Transition Temp (°C)	73
Density (g/cc)	1.15
Lap Shear 2024T3 Clad (psi)	4160
Refractive Index	1.54
ELECTRICAL PROPERTIES	
Based on cure of 4 hours @ 65°C	
Dielectric Constant	3.26 @ 1kHz
Dissipation Factor	0.026 @ 1kHz
Dielectric Strength (volts/mil)	670
Volume Resistivity (ohm-cm)	1.9E+16 @ 500 VDC
THERMAL PROPERTIES	
Based on cure of 4 hours @ 65°C	
Glass Transition Temp (°C)	73
Degradation Temp. (°C)	275
Operating Temp. Range (°C)	-50 to 150
ACOUSTIC PROPERTIES	

KEY FEATURES

Bonds Well to Most Substrates

Ideal for Potting and Encapsulation

Free Flowing

Wicks Easily Into Tight Spaces

Long Work Life

Low Viscosity

Optically Clear

✓ RoHS Compliant

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Rev C

3/20/2025

Velocity (m/s)	2607
Impedance (MRayls)	3.01
Loss (dB/cm-MHz)	-4.43
Density (g/cc)	1.15