

Key Features

Bonds Well to Most Substrates
Electrically Isolating
Short Pot Life
Meets NASA Outgassing Requirements
Room or Elevated Temperature Cure
User-friendly Packaging

Uncured

Work Life @ 25°C: 30 minutes
Viscosity @ 25°C: 9,500 cPs
Shelf Life @ -40°C: 3 Weeks
Shelf Life @ -60°C: 3 Months

Cure Options

8 hours @ 93°C
14 hours @ 38°C
7 days @ 25°C

Cured Properties

(Based on cure of 8 hours @ 93°C)

Color	Light Yellow
Shore A Hardness	54
Glass Transition Temp (°C)	-70
Density (g/cc)	0.97
Lap Shear 2024T3 Clad (psi)	700

Electrical Properties

(Based on cure of 8 hours @ 93°C)

Dielectric Strength (volts/mil)	370
Volume Resistivity (ohm-cm)	1.0E 15 @ 500 VDC

Product Description:

0278 is a transparent yellow, one-component, unfilled, electrically isolating, space flight grade, precision mixed, degassed, and frozen urethane adhesive. It features low thermal conductivity and can be cured at either room or elevated temperatures. 0278 bonds well to most substrates such as metals, glass, ceramics, and most plastics. 0278 will provide excellent resistance when exposed to high temperatures and high humidity.

Thermal Properties

(Based on cure of 8 hours @ 93°C)

Glass Transition Temp (°C)	-70
Thermal Conductivity (W/m ² K)	0.2

Outgassing Properties

(Based on cure of 14 hours @ 38°C)

TML (%)	0.85
CVCM (%)	<0.01
WVR (%)	0.07

Acoustic Properties

Velocity (m/s)	1,624
Impedance (MRayles)	1.567
Loss (dB/cm-MHz)	-5.1
Density (g/cc)	0.97

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