

Space flight grade; Meets NASA's outgassing requirements

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.

UNCURED	
Work Life @ 25°C	30 minutes
Viscosity @ 25°C	9,500 cPs
Shelf Life	3 weeks @ -40°C 3 months @ -60°C
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
THERMAL PROPERTIES	
Based on cure of 8 hours @ 93°C	
Glass Transition Temp (°C)	-70
Thermal Conductivity (W/mK)	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 (MRayls)	1.567
Loss (dB/cm-MHz)	-5.1
Density (g/cc)	0.97

KEY FEATURES

Bonds Well to Most Substrates

Electrically Isolating

Short Pot Life

Meets NASA Outgassing Requirements

Room or Elevated Temperature Cure

User-friendly Packaging

Chat with a specialist:

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