

## Thixotropic consistency keeps material from sagging once applied

0316 is an opaque amber, one-component, precision mixed, degassed, and frozen, electrically isolating, Space Flight Grade, precision mixed and frozen general purpose urethane adhesive. It features a very thixotropic consistency which keeps this material from sagging once applied. This material can be cured at either room or elevated temperatures. 0316 bonds well to most substrates such as metals, glass, ceramics, and plastics and meets NASA outgassing requirements with a TML of 0.61% and a CVCM of <0.01%.

<b>UNCURED</b>	
Work Life @ 25°C	30 minutes
Pot Life @ 25°C	15 minutes
Viscosity @ 25°C	Paste
Shelf Life	3 weeks @ -40°C    3 months @ -60°C 12 months @ -75°C
<b>CURE OPTIONS</b>	8 hours @ 93°C    7 days @ 25°C 24 hours @ 23°C + 16 hours @ 65°C
<b>CURED PROPERTIES</b>	
Based on cure of 8 hours @ 93°C	
Color	Opaque Amber
Shore A Hardness	70
Glass Transition Temp (°C)	-70
Density (g/cc)	0.97
<b>ELECTRICAL PROPERTIES</b>	
Based on cure of 24 hours @ 23°C + 16 hours @ 65°C	
Volume Resistivity (ohm-cm)	5.1E 14 @ 500 VDC
<b>THERMAL PROPERTIES</b>	
Based on cure of 24 hours @ 23°C + 16 hours @ 65°C	
CTE above Tg (ppm/°C)	188
CTE below Tg (ppm/°C)	Not Determined
Glass Transition Temp (°C)	-76
Operating Temp. Range (°C)	-100 to 130
<b>OUTGASSING PROPERTIES</b>	
Based on cure of 24 hours @ 23°C + 16 hours @ 65°C	
TML (%)	0.61
CVCM (%)	<0.01
WVR (%)	0.06
<b>OUTGASSING PROPERTIES</b>	
Based on cure of 7 days @ 25°C	
TML (%)	0.74
CVCM (%)	<0.01
WVR (%)	0.08
<b>ACOUSTIC PROPERTIES</b>	
Velocity (m/s)	1,622
Impedance (MRayls)	1.578

### KEY FEATURES

Bonds Well to Most Substrates

Electrically Isolating

Very Thixotropic

Room or Elevated Temperature Cure

Space Flight Grade

User-friendly Packaging

Meets NASA Outgassing Requirements

✓ RoHS Compliant

### Chat with a specialist:

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Loss (dB/cm-MHz)	-6.7
Density (g/cc)	0.97