

## Key Features

Bonds Well to Most Substrates  
 Electrically Isolating  
 Thixotropic Consistency  
 Room or Elevated Temperature Cure  
 Space Flight Grade  
 User-friendly Packaging  
 Meets NASA Outgassing Requirements

## Uncured

Work Life @ 25°C: 30 minutes  
 Pot Life @ 25°C: 15 minutes  
 Viscosity @ 25°C: 80,000 cPs  
 Shelf Life @ -40°C: 3 Weeks  
 Shelf Life @ -60°C: 3 Months  
 Shelf Life @ -75°C: TBD

## Cure Options

8 hours @ 93°C  
 7 days @ 25°C  
 24 hours @ 23°C + 16 hours @ 65°C

## Cured Properties

(Based on cure of 8 hours @ 93°C)  
 Color Opaque Amber  
 Shore A Hardness 60  
 Glass Transition Temp (°C) -70  
 Density (g/cc) 0.99  
 Lap Shear 2024T3 Clad (psi) 1000

## Electrical Properties

(Based on cure of 24 hours @ 23°C + 16 hours @ 65°C)  
 Volume Resistivity (ohm-cm) 4.1 E 14 @ 500 VDC

## Product Description:

0308 is an opaque amber, one-component, precision mixed, degassed, and frozen, electrically isolating, Space Flight Grade urethane adhesive designed specifically for encapsulation with highly reliable dispensing. This material has a thixotropic consistency but will exhibit limited flow upon application. 0308 exhibits low thermal conductivity and can be cured at either room or elevated temperatures. It will bond well to most substrates such as metals, glass, ceramics, and most plastics. This material meets the NASA outgassing requirements with a TML of 0.69% and a CVCM of <0.01%.

## Thermal Properties

(Based on cure of 24 hours @ 23°C + 16 hours @ 65°C)  
 CTE above Tg (ppm/°C) 204  
 CTE below Tg (ppm/°C) Not Determined  
 Glass Transition Temp (°C) -76  
 Operating Temp. Range (°C) -100 to 130

## Outgassing Properties

(Based on cure of 24 hours @ 23°C + 16 hours @ 65°C)  
 TML (%) 0.63  
 CVCM (%) <0.01  
 WVR (%) 0.07

## Outgassing Properties

(Based on cure of 9 hours @ 65°C)  
 TML (%) 0.69  
 CVCM (%) <0.01  
 WVR (%) 0.09

## Acoustic Properties

Velocity (m/s) 1,609  
 Impedance (MRayles) 1,591  
 Loss (dB/cm-MHz) -6.0  
 Density (g/cc) 0.99

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