

## Key Features

Bonds Well to Most Substrates  
Long Work Life  
Low Viscosity  
High Bond Strength  
Thermal Shock Resistant  
User-friendly Packaging

## Uncured

Work Life @ 25°C: 6 hours  
Viscosity @ 25°C: 3,500 cPs  
Pot Life @ 25°C: 3 hours  
Shelf Life @ -40°C: 12 Months  
Shelf Life @ -60°C: 24 Months

## Cure Options

7 days @ 25°C  
72 hours @ 45°C  
6 hours @ 80°C

## Cured Properties

(Based on cure of 6 hours @ 80°C)  
Color Amber  
Shore D Hardness 80  
Glass Transition Temp (°C) 60  
Density (g/cc) 1.13

## Electrical Properties

(Based on cure of 6 hours @ 80°C)  
Volume Resistivity (ohm-cm) 1.0E 14@ 500 VDC

## Product Description:

5018 is an amber, electrically isolating, toughened, precision mixed, degassed, and frozen epoxy. It features excellent low temperature properties, a long work life of 6 hours, and a low viscosity making it a very user-friendly epoxy. Once cured this material is tough and flexible making this product an excellent choice for bonding dissimilar substrates and assemblies requiring thick bond lines. 5018 will bond well to most substrates such as metals, glass, ceramics, and most plastics. This material has a CVCM of 0.18% which exceeds the 0.10% limit for low outgassing. The TML is 0.75% which does pass low outgassing

## Thermal Properties

(Based on cure of 6 hours @ 80°C)  
Glass Transition Temp (°C) 60  
Degradation Temp. (°C) >240

## Acoustic Properties

Velocity (m/s) 2,421  
Impedance (MRayles) 2.736  
Loss (dB/cm-MHz) -6.9  
Density (g/cc) 1.13

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