

Key Features

Bonds Well to Most Substrates
Thermally Conductive
HMS 16-1985, Compound V, Class 3
HP 16-103, Type VII, Class 3
Resistant to Fuel, Lubricants, Water, and Weather
Room or Elevated Temperature Cure
User-friendly Packaging

Uncured

Pot Life @ 25°C: 2 hours
Viscosity @ 25°C: Paste
Shelf Life @ -40°C: 6 Months

Cure Options

8 hours @ 74°C + 48 hours @ 25°C
3 days @ 25°C

Cured Properties

(Based on cure of 8 hours @ 74°C + 48 hours @ 25°C)
Color Grey
Shore A Hardness 70
Glass Transition Temp (°C) -48
Density (g/cc) 2.33

Electrical Properties

(Based on cure of 8 hours @ 74°C + 48 hours @ 25°C)
Volume Resistivity (ohm-cm) 2.8E 10 @ 500 VDC

Product Description:

0720 is a one-component, grey, thermally conductive, precision mixed, degassed, and frozen polysulfide adhesive. It is fuel resistant material that is flexible when cured and is compliant with HMS 16-1985, Compound V, Class 3 and HP 16-103, Type VII, Class 3 specifications. 0720 can be cured at either room or elevated temperatures followed by a room temperature cure. This material is thixotropic when applied and features a very low glass transition temperature as well as having a thermal conductivity of 0.8 (W/mK). It has a long pot life of 2 hours and is an ideal fillet material. Along with fuels, 0720 is resistant to lubricants, oils, water, and weather and bonds well to most substrates including aluminum, magnesium, titanium, and steel.

Thermal Properties

(Based on cure of 8 hours @ 74°C + 48 hours @ 25°C)
Glass Transition Temp (°C) -48
Degradation Temp. (°C) 250
Operating Temp. Range (°C) -60 to 135
Thermal Conductivity (W/mK) 0.8

Acoustic Properties

Velocity (m/s) 1,686
Impedance (MRayles) 3.926
Loss (dB/cm-MHz) -14.9
Density (g/cc) 2.33

The data contained herein is provided for informational purposes only and are believed to be reliable. APPLI-TEC does not guarantee suitability of this product for any resultant application or freedom from patent infringement. Furthermore, APPLI-TEC disclaims any liability for incidental and consequential damages of any kind including but not limited to lost profits.