

Key Features

Excellent Fillet Material
Thermally Conductive
HMS 16-1985, Compound II, Class 2, Grade 1
Resistant to Fuel, Lubricants, Water, and Weather
Room or Elevated Temperature Cure

Uncured

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

Cure Options

16 hours @ 74°C
3 days @ 25°C

Cured Properties

(Based on cure of 16 hours @ 74°C)
Color Grey
Shore A Hardness 55
Glass Transition Temp (°C) -48

Electrical Properties

Volume Resistivity (ohm-cm) 1.5E 10 @ 500 VDC

Product Description:

0543 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 II, Class 2, Grade 1. 0543 can be cured at either room or elevated temperatures. This material is thixotropic when applied and features a very low glass transition temperature of as well as having a thermal conductivity of 0.7 (W/mK). It has a long pot life of 2 hours and is an ideal fillet material. Along with fuels, 0543 is resistant to lubricants, oils, water, and weather and adheres well to most metals.

Thermal Properties

(Based on cure of 16 hours @ 74°C)
Glass Transition Temp (°C) -48
Degradation Temp. (°C) 250
Thermal Conductivity (W/mK) 0.7
Operating Temp. Range (°C) -60 to 135

Acoustic Properties

Velocity (m/s) 1,667
Impedance (MRayles) 3,616
Loss (dB/cm-MHz) -15.1
Density (g/cc) 2.17

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