

## Resistant to fuels, oils, lubricants, water & weather

0543 is a one-component, grey, thermally conductive, precision mixed, degassed, and frozen polysulfide adhesive. A fuel resistant material that is flexible when cured, 0543 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 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.

<b>UNCURED</b>	
Pot Life @ 25°C	2 hours
Viscosity @ 25°C	Paste
Shelf Life @ -40°C	6 months
<b>CURE OPTIONS</b>	16 hours @ 74°C    3 days @ 25°C
<b>CURED PROPERTIES</b>	Based on cure of 16 hours @ 74°C
Color	Grey
Shore A Hardness	55
Glass Transition Temp (°C)	-48
<b>ELECTRICAL PROPERTIES</b>	
Volume Resistivity (ohm-cm)	1.5E 10 @ 500 VDC
<b>THERMAL PROPERTIES</b>	
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
<b>ACOUSTIC PROPERTIES</b>	
Velocity (m/s)	1,667
Impedance (MRayles)	3.616
Loss (dB/cm-MHz)	-15.1
Density (g/cc)	2.17

### 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

### Talk to an engineer:

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