

Item # Tpli 215, Tpli™ 200 Series Gap Filler Material



Tpli™ 200 Series Gap Filler Material Industry Leading Soft Elastomer Gap Filler

Stock Locator

Tpli 200 Series™ is the premium gap filler. An unique blend of boron nitride and silicone produce Laird Technologies' highest performing interface pad. Tpli 200's exceptional combination of high thermal conductivity and compliancy generate unmatched thermal resistances in a gap filling interface material. Tpli 200 absorbs shock and relieves stresses, thus minimizing potential damage to components. Tpli is electrically insulating, stable from -45°C to 200°C, and meets UL 94HB rating.

SPECIFICATIONS

Construction and Composition	Boron nitride filled, silicone elastomer, fiberglass reinforced
Color	Yellow
Test Method - Color	Visual
Thickness	0.015 inches 0.381 mm
Thickness Tolerance	±0.001 inches ±0.025 mm
Density	1.44 g/cc
Test Method - Density	Helium Pycnometer
Hardness	75 Shore OO
Test Method - Hardness	ASTM D2240
Outgassing TML (Post Cured)	0.08 %
Test Method - Outgassing TML (Post Cured)	ASTM E595
Outgassing CVCM (Post Cured)	0.03 %
Test Method - Outgassing CVCM (Post Cured)	ASTM E595
UL Flammability Rating	94 HB
Test Method - UL Flammability Rating	E180840
Shelf Life	Indefinite

Temperature Range	-45 to 200 °C
Thermal Conductivity	6.00 W/m-K
Test Method - Thermal Conductivity	ASTM D5470 (modified)
Thermal Resistance at 10 psi	0.190 °C-in ² /W
Thermal Resistance at 69 KPa	1.25 °C-cm ² /W
Test Method - Thermal Resistance	ASTM D5470 (modified)
Breakdown Voltage	1500 VAC
Test Method - Breakdown Voltage	ASTM D149
Volume Resistivity	5 x 10 ¹³ ohm-cm
Test Method - Volume Resistivity	ASTM D257
Dielectric Constant at 1 MHz	3.21
Test Method - Dielectric Constant	ASTM D150
Dissipation Factor at 1 MHz	<0.001
Test Method - Dissipation Factor	ASTM D150
Sheet Sizes	16 x 16 inches 8 x 8 inches 203 x 203 mm 406 x 406 mm
Pressure Sensitive Adhesive	Adhesive on one side Without Adhesive

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