



TpcmTM AL52

TpcmTM AL52 is a thermally conductive phase change material coated on both sides of aluminum foil. At temperatures greater than 52°C, TpcmTM AL52 changes into a molten state and, under low closure force, wets the heat sink and component surfaces to create a very thin, low thermal resistance interface. TpcmTM AL52 has great heat spreading characteristics and won't flow from the interface. TpcmTM AL52 has superior thermal performance comparable to the highest performing grease and phase change products available. Since it is a free standing film it is easy to handle and is a great replacement for messy grease.

TpcmTM AL52 is available as die cut parts or sheets. TpcmTM AL52 is available with or without adhesive.

Typical Properties		
Color		Gray
Thickness Inches (millimeters)		0.003" (0.076mm)
Standard Coating Thickness per side		0.0005" (0.013mm)
Density		2.1 g/cc
Shelf Life		Indefinite
UL Flammability Rating		94 V0
Maximum Use Temperature		200°C
Phase Change Softening Temperature		52°C
Thermal Impedance		
	5 psi	0.03 °C-in ² / W
	34.5 Kpa)	0.193 °C-cm ² /W

Thermaphase® is a registered trademark of Laird U.S. Patent Numbers 5,930,893 and 6,286,212

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