



Supply Chain Interruption

Laird Tpcm™ 580 Phase Change Thermal Interface Material

August 28, 2023

Dear Laird Valued Customer:

This letter is to inform you that Laird™ Tpcm™ 580 Phase Change Thermal Interface Material cannot be currently supplied due to a raw material supply interruption. One of the ingredients is not available. We are working diligently to identify other sources and other viable alternatives.

In the interim we recommend a replacement in Laird™ Tpcm 5000. See below for relevant specifications.

	Tpcm 580	Tpcm™ 5000
Color	Gray	Gray
Construction / Compositions	Filled, Non-Silicone, Non-Reinforced Film	Filled, Non-Silicone, Non-Reinforced Film
Thickness	0.125mm (0.005") 0.200mm (0.008") 0.250mm (0.010") 0.400mm (0.016")	0.125mm (0.005") 0.200mm (0.008") 0.250mm (0.010") 0.400mm (0.016")
Thickness Tolerance	±10%	±10%
Operating Range	-40 to 125C	-40 to 125°C
Density	2.9 g/cc	2.5 g/cc
Softening Range or Phase Change Temp	50°C	50°C to 70°C
Bulk Thermal Conductivity	3.8 W/mK	5.2 W/mK
Minimum BLT	25µm	25µm
Volume Resistivity	3.0 x10 ¹³ Ω-cm	1.4 x10 ¹⁴ Ω-cm
Dielectric Constant	5.5 @1MHz	30.2 @1KHz 31.2 @1MHz

We thank you for your continued business and support. If you have any questions, please contact the Laird Performance Materials sales representative in your region.

Jim Latham

Product Manager - Thermal
Laird Performance Materials
DuPont Electronics & Industrial