



End of Life Notification

Laird Tpcm™580 Phase Change Thermal Interface Material

September 11, 2023

Dear Laird Valued Customer:

This letter is to inform you that Laird™ Tpcm™ 580 Phase Change Thermal Interface Material will be transitioning through an end of life (EOL) process. The primary reasons for implementing EOL is raw material sourcing issues. We wish to alert you that due to the sourcing issues this EOL is effective immediately. This is not our normal EOL process and we regret the hardship this may cause.

The replacement material is 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