Rapid Die Cut

Laird™ Tflex™ SF10

Tflex SF4, Tflex SF7, and Tflex SF10 are innovative, high performing thermal materials in Laird's silicone free gap filler portfolio. The silicone free technology provides products with excellent deflection properties, providing minimal pressure on components during deflection. Very little pressure is required to reach the lowest possible thermal resistance. Thicknesses from 0.5mm (.020") up to 4mm (.160") in 0.5mm (.020") increments available as standard.

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

Laird™ Tflex™ SF10

PHYSICAL PROPERTY	TEST METHOD	UNIT	VALUE
Color		-	Grey
Thickness Range		mm	0.5 - 5
Thickness Tolerance		%	10
Thermal Conductivity	Hot Disk	w/mk	10
Operating Temperature	Laird Test Method	°C	-40 to 125
Density	Helium Pyncometer	g/cc	3.7
Outgassing TML	ASTM E595	%	0.33
Outgassing CVCM	ASTM E595	%	0.15
Temperature Range	Laird Test Method	°C	-45 to 200
Hardness Shore 00 (3 sec)	ASTM 2240	-	1-5mm: 40/8 0.5-0.75mm: 70/50
Thermal Resistance	ASTM D5470	°C-in²/w	0.047
Dielectric Breakdown Voltage	ASTM D149	kv/mm	7.5
Dielectric Constant	ASTM D150	-	9
Volume Resistivity	ASTM D257	Ω-cm	1×10^{14}