

Thermal Interface Material



86/125



- Soft material
- Glass fiber reinforcement

Applications

- Lighting
- Appliances
- Automotive
- Control units
- Larger applications

Options

- Glass fiber reinforcement up to 4.0mm
- Other thicknesses maybe available, subject to minimum order quantities

The data provide engineering guidance, performance in actual applications should be established through testing.

Properties	Unit	86/125
Color		Orange
Thermal Properties		
Thermal Conductivity	W/mK	1.5
Thermal Resistance	K/W	0.8
Electrical Properties		
Breakdown Voltage $U_{d; ac}$	kV	6
Dielectric Breakdown $E_{d; ac}$	kV/mm	12
Volume Resistivity	Ωm	6.1×10^{10}
Dielectric Constant ϵ_r		4.28
Dielectric Loss factor $\tan \delta$		153×10^{-3}
Mechanical Properties		
Hardness	Shore 00	10-25
Young's Modulus	N/cm ²	23.6
Physical Properties		
Application Temperature	°C (°F)	-40 to +180 (-40 to +356)
Density	g/cm ³	2.0
Total Mass Loss (TML)	%	<0.29
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	0.5, 1, 1.5, 2, 2.5, 3, 4, 4.5, 5 (0.02, 0.04, 0.06, 0.08, 0.1, 0.12, 0.16, 0.18, 0.02)

