

Thermal Interface Material



86/235



- Soft material
- Glass fiber up to 2mm
- Good electrical insulation
- Volatile silicone <150ppm

Applications

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

Options

- Glass fiber reinforcement up to 2.0mm
- 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	86/235
Color		Yellow
Thermal Properties		
Thermal Conductivity	W/mK	2.0
Thermal Resistance	K/W	0.6
Electrical Properties		
Breakdown Voltage $U_{d; ac}$	kV	6
Dielectric Breakdown $E_{d; ac}$	kV/mm	12
Volume Resistivity	Ωm	1.76×10^{11}
Dielectric Constant ϵ_r		3.7
Dielectric Loss factor $\tan \delta$		20×10^{-3}
Mechanical Properties		
Hardness	Shore 00	25-40
Young's Modulus	N/cm ²	32
Physical Properties		
Application Temperature	°C (°F)	-40 to +200 (-40 to +392)
Density	g/cm ³	1.65
Total Mass Loss (TML)	%	<0.10
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	0.5, 1, 1.5, 2, 2.5, 3, 4, 5 (0.02, 0.04, 0.06, 0.08, 0.1, 0.12, 0.16, 0.2)

