

Thermal Interface Material



86/500



- Soft material
- Single layer material
- No glass fiber
- Excellent thermal performance

Applications

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

Options

- Available with one side adhesive coating as 86/500K
- 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	86/500
Color		Brown
Thermal Properties		
Thermal Conductivity	W/mK	5.0
Thermal Resistance	K/W	0.25
Electrical Properties		
Breakdown Voltage $U_{d; ac}$	kV	1
Dielectric Breakdown $E_{d; ac}$	kV/mm	2
Volume Resistivity	Ωm	1×10^{11}
Dielectric Constant ϵ_r		3.9
Dielectric Loss factor $\tan\delta$		1.5×10^{-3}
Mechanical Properties		
Hardness	Shore 00	65-75
Young's Modulus	N/cm ²	70
Physical Properties		
Application Temperature	°C (°F)	-60 to +200 (-76 to +392)
Density	g/cm ³	1.33
Total Mass Loss (TML)	%	<0.24
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	0.5, 1, 1.5, 2. (0.02, 0.04, 0.06, 0.08)

