

Thermal Interface Material



86/37



- Excellent electrical characteristics
- Self adhesion

Applications

- Automotive
- Telecommunication
- High voltage devices
- DC-DC converters

Options

- Available with

Adhesive coating	Fiberglass	Fiberglass + Adhesive coating
86/47	86/17	86/27
- 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	86/37
Color		Green
Thermal Properties		
Thermal Conductivity	W/mK	1.8
Thermal Resistance	K/W	0.32
Electrical Properties		
Breakdown Voltage $U_{d; ac}$	kV	8.0
Dielectric Breakdown $E_{d; ac}$	kV/mm	26
Volume Resistivity	Ωm	2.5×10^{11}
Dielectric Constant ϵ_r		2.9
Dielectric Loss factor $\tan \delta$		6×10^{-3}
Mechanical Properties		
Hardness	Shore A	65-75
Tensile Strength	MPa (psi)	2.0 (290)
Elongation	%	75
Physical Properties		
Application Temperature	$^{\circ}C$ ($^{\circ}F$)	-60 to +250 (-76 to +482)
Density	g/cm^3	2.29
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	0.225, 0.300 (0.009, 0.012)

