

# Thermal Interface Material



## 86/50



- Good thermal properties

## Applications

- Automotive
- AV components
- Appliances
- Power converters
- Engine controllers
- LCD

## Options

- Available with
 

Adhesive coating	Fiberglass	Fiberglass + Adhesive coating
86/51	86/52	86/53

- 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	86/50
Color		Pink
<b>Thermal Properties</b>		
Thermal Conductivity	W/mK	3.5
Thermal Resistance	K/W	0.16
<b>Electrical Properties</b>		
Breakdown Voltage $U_{d; ac}$	kV	1.5
Dielectric Breakdown $E_{d; ac}$	kV/mm	7
Volume Resistivity	$\Omega m$	$1.3 \times 10^{14}$
Dielectric Constant $\epsilon_r$		2.3
Dielectric Loss factor $\tan \delta$		$67 \times 10^{-3}$
<b>Mechanical Properties</b>		
Hardness	Shore A	70-80
Tensile Strength	MPa (psi)	1.3 (189)
Elongation	%	25
<b>Physical Properties</b>		
Application Temperature	$^{\circ}C$ ( $^{\circ}F$ )	-60 to +250 (-76 to +482)
Density	$g/cm^3$	1.97
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	0.125, 0.225, 0.300 (0.005, 0.009, 0.012)

