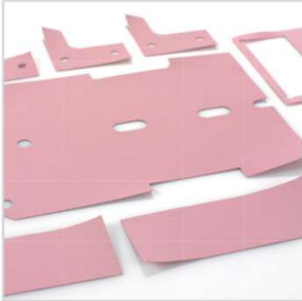


# Thermal Interface Material



## 86/82



- Excellent thermal properties
- High performance material

## Applications

- Control boards
- BGA applications
- Hard disc drives
- High end solutions

## Options

- Available with one side adhesive coating as 86/82K
- 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	86/82
Color		Red
<b>Thermal Properties</b>		
Thermal Conductivity	W/mK	6.5
Thermal Resistance	K/W	0.09
<b>Electrical Properties</b>		
Breakdown Voltage $U_{d; ac}$	kV	1.0
Dielectric Breakdown $E_{d; ac}$	kV/mm	4
Volume Resistivity	$\Omega m$	$2.0 \times 10^{14}$
Dielectric Constant $\epsilon_r$		2.4
Dielectric Loss factor $\tan\delta$		$1.4 \times 10^{-3}$
<b>Mechanical Properties</b>		
Hardness	Shore A	60-70
Tensile Strength	MPa (psi)	13 (1,885)
Elongation	%	2
<b>Physical Properties</b>		
Application Temperature	$^{\circ}C$ ( $^{\circ}F$ )	-40 to +200 (-40 to +392)
Density	$g/cm^3$	1.23
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	0.250 (0.01)

