

# Thermal Interface Material



## 70/50



- Cost effective solution
- Fiberglass reinforced
- High dielectric strength

## Applications

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

## Options

- Available with one side adhesive coating as 70/60
- 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	70/50
Color		Brown
<b>Thermal Properties</b>		
Thermal Conductivity	W/mK	1.4
Thermal Resistance	K/W	0.44
<b>Electrical Properties</b>		
Breakdown Voltage $U_{d; ac}$	kV	5
Dielectric Breakdown $E_{d; ac}$	kV/mm	20
Volume Resistivity	$\Omega m$	$1.0 \times 10^{13}$
Dielectric Constant $\epsilon_r$		3.6
Dielectric Loss factor $\tan \delta$		$7.3 \times 10^{-3}$
<b>Mechanical Properties</b>		
Hardness	Shore A	80-90
Tensile Strength	MPa (psi)	10 (1,450)
Elongation	%	5
<b>Physical Properties</b>		
Application Temperature	$^{\circ}C$ ( $^{\circ}F$ )	-40 to +200 (-40 to +392)
Density	$g/cm^3$	2.18
Flame rating	UL-94	V-1
Standard Thickness	mm (inch)	0.250 (0.01)

