

# Thermal Interface Material



## 86/225



- Soft material
- Glass fiber up to 4mm
- Good electrical insulation

## Applications

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

## Options

- Glass fiber reinforcement up to 4.0mm
- 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	86/225
Color		Orange
<b>Thermal Properties</b>		
Thermal Conductivity	W/mK	2.0
Thermal Resistance	K/W	0.6
<b>Electrical Properties</b>		
Breakdown Voltage $U_{d; ac}$	kV	6
Dielectric Breakdown $E_{d; ac}$	kV/mm	12
Volume Resistivity	$\Omega m$	$2.2 \times 10^{11}$
Dielectric Constant $\epsilon_r$		3.6
Dielectric Loss factor $\tan\delta$		$1 \times 10^{-3}$
<b>Mechanical Properties</b>		
Hardness	Shore 00	30-45
Young's Modulus	N/cm <sup>2</sup>	58
<b>Physical Properties</b>		
Application Temperature	°C (°F)	-40 to +180 (-40 to +356)
Density	g/cm <sup>3</sup>	1.65
Total Mass Loss (TML)	%	<0.44
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 5 (0.02, 0.04, 0.06, 0.08, 0.1, 0.12, 0.14, 0.16, 0.02)

