

# Thermal Interface Material



## U 80



- Filled polyurethane film
- Excellent electrical properties
- Silicone free
- Cost effective solution

## Applications

- Medical
- Laser equipment
- Lighting systems
- Optical drives
- Aerospace

## Options

- Available with one side adhesive coating as U 80K
- 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	U 80
Color		Blue
<b>Thermal Properties</b>		
Thermal Conductivity	W/mK	1.8
Thermal Resistance	K/W	0.2
<b>Electrical Properties</b>		
Breakdown Voltage $U_{d; ac}$	kV	4
Dielectric Breakdown $E_{d; ac}$	kV/mm	25
Volume Resistivity	$\Omega m$	$1.44 \times 10^{14}$
Dielectric Constant $\epsilon_r$		3.2
Dielectric Loss factor $\tan \delta$		$13 \times 10^{-3}$
<b>Mechanical Properties</b>		
Hardness	Shore A	80-90
Tensile Strength	MPa (psi)	3 (435)
Elongation	%	130
<b>Physical Properties</b>		
Application Temperature	$^{\circ}C$ ( $^{\circ}F$ )	-40 to +125 (-40 to +257)
Density	$g/cm^3$	2.26
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	0.150 (0.006)

