

Thermal Interface Material



U 85



- Filled epoxy film
- Good thermal properties
- Excellent electrical properties
- Silicone free

Applications

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

Options

- Available with one side adhesive coating as U 85K
- 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 85
Color		Light Blue
Thermal Properties		
Thermal Conductivity	W/mK	3.0
Thermal Resistance	K/W	0.165
Electrical Properties		
Breakdown Voltage $U_{d; ac}$	kV	6
Dielectric Breakdown $E_{d; ac}$	kV/mm	30
Volume Resistivity	Ωm	4.1×10^9
Dielectric Constant ϵ_r		2.0
Dielectric Loss factor $\tan \delta$		26×10^{-3}
Mechanical Properties		
Hardness	Shore A	70-85
Tensile Strength	MPa (psi)	1 (145)
Physical Properties		
Application Temperature	$^{\circ}C$ ($^{\circ}F$)	-40 to +150 (-40 to +302)
Density	g/cm^3	1.44
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	0.200 (0.008)

