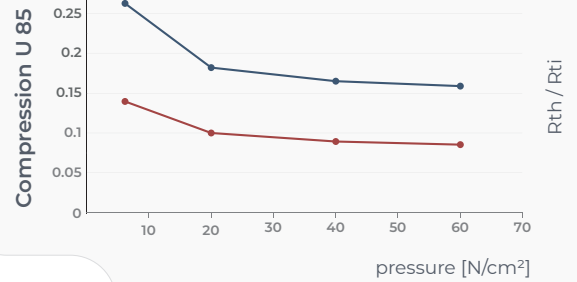


U 85 KERATHERM[®] silicone free Thermal Tape

Benefits

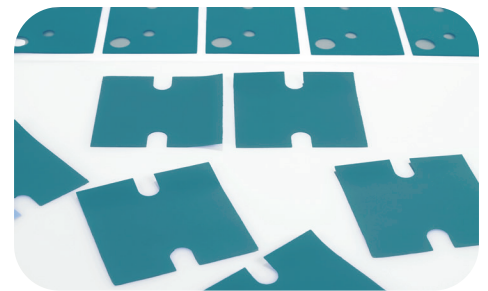
- Silicone free (Epoxy)
- High temperature stability
- Good ratio between thermal performance and electrical isolation
- Non sticky, available with adhesive coating



Rth [K/W] — Rti [Kin²/W]

Properties	Unit	U 85
Colour		light blue
Thermal Properties*		
Thermal resistance R_{th}	K/W	0.165
Thermal conductivity λ	W/mK	3.0
Electrical Properties*		
Dielectric breakdown voltage $U_{d,AC}$	kV	6.0
Volume resistivity	Ωm	4.1×10^9
Dielectric loss factor $\tan \delta$		2.6×10^{-2}
Dielectric constant ϵ_r		2.0
Mechanical Properties*		
Hardness	Shore A	70-85
Tensile strength	N/mm2	1.0
Elongation	%	>50
Physical Properties		
Application temperature	°C	-40 to +150
Density	g/cm³	1.44
Flame rating	UL-94	V-0
Possible thickness	mm	0.2

* Measured @ thickness 0.2 mm



✓ Optional available with adhesive coating **U 85K**