

U 85

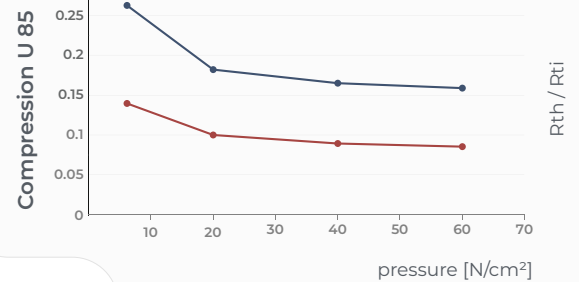
KERATHERM[®] silicone free Thermal Tape

Benefits

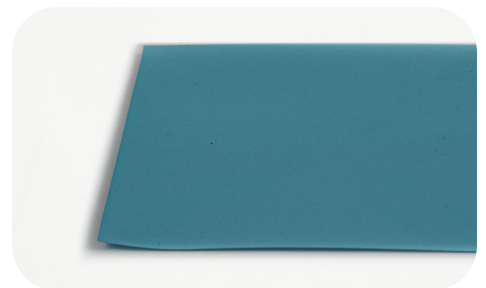
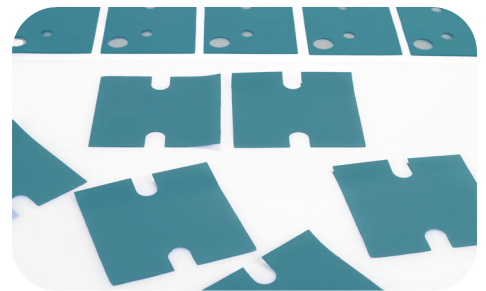
- Silicone free (Epoxy)
- High temperature stability
- Good ratio between thermal performance and electrical isolation
- Non sticky, available with adhesive coating

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/mm ²	1.0
Elongation	%	>50
Physical Properties		
Application temperature	°C	-40 to +150
Density	g/cm ³	1.44
Flame rating	UL-94	V-0
Possible thickness	mm	0.2

* Measured @ thickness 0.2 mm



Rth [K/W] — Rti [Kin²/W]



✓ Optional available with adhesive coating **U 80K / U 90K**

Note

Disclaimer of Warranties and Limitation of Liability

The specifications provided in this data sheet do not constitute a guarantee or warranty of specific product properties („quality guarantee“). These specifications are derived from our standardized testing procedures conducted under controlled laboratory conditions and are intended to describe the typical properties of the products as expected under standard applications. Variations may occur depending on the specific application. Accordingly, it is the responsibility of the customer to test and evaluate the products for their intended use, and adjustments to the application may be required.

The customer assumes full responsibility for the safety and functionality of their applications in which these products are integrated. Appropriate safety measures must be implemented to prevent bodily injury, fire, or other damages resulting from product defects. The customer is also responsible for ensuring that the design of their application complies with all applicable laws, regulations, codes, and standards.

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