

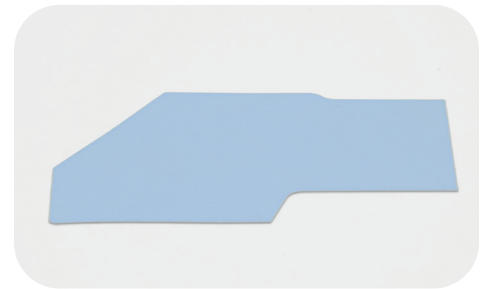
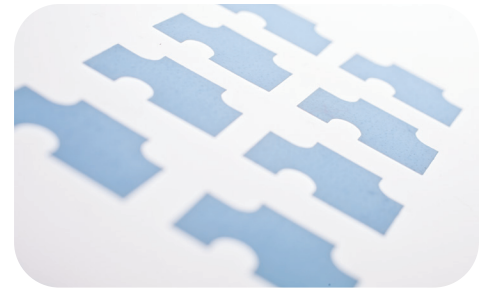
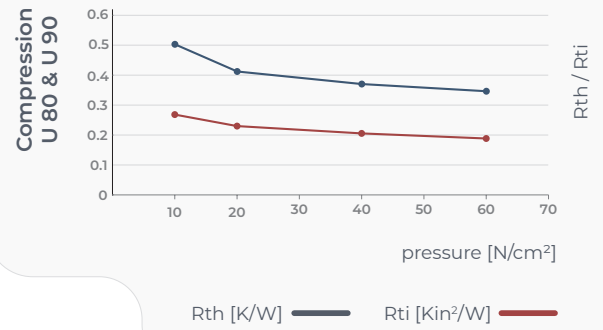
U 80 & U 90 KERATHERM[®] silicone free Thermal Tape

Benefits

- Silicone free (polyurethane)
- Very high thermal performance
- Good ratio between thermal performance and electrical isolation
- Softening effect for an additional increase in heat output
- Non sticky, available with adhesive coating

Properties	Unit	U 80	U 90
Colour		blue	light blue
Thermal Properties			
Thermal resistance R_{th}	K/W	0.2*	0.082**
Thermal conductivity λ	W/mK	1.8*	6.0**
Electrical Properties			
Dielectric breakdown voltage $U_{d,AC}$	kV	4.0*	4.0**
Volume resistivity	Ωm	1.4×10^{14}	$2.0 \times 10^{11**}$
Dielectric loss factor $\tan \delta$		1.3×10^{-2}	$1.4 \times 10^{-2**}$
Dielectric constant ϵ_r		3.2*	3.1**
Mechanical Properties			
Hardness	Shore A	80 - 90	70 - 85
Tensile strength	N/mm ²	3.0	2.0
Elongation	%	130	150
Physical Properties			
Application temperature	°C	-40 to +125	-40 to +125
Density	g/cm ³	2.26	1.46
Flame rating	UL-94	V-0	V-0
Possible thickness	mm	0.15-0.3	0.1-0.3

* Measured @ thickness 0.15 mm ** Measured @ thickness 0.2 mm



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