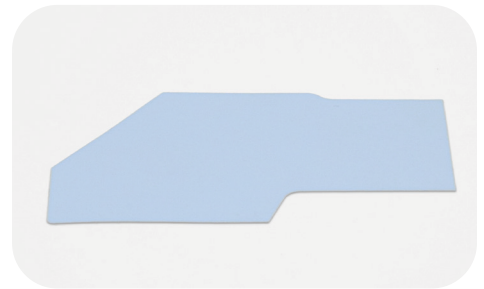
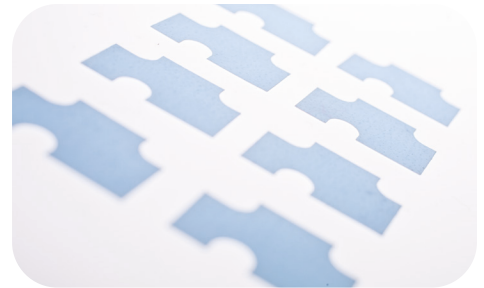
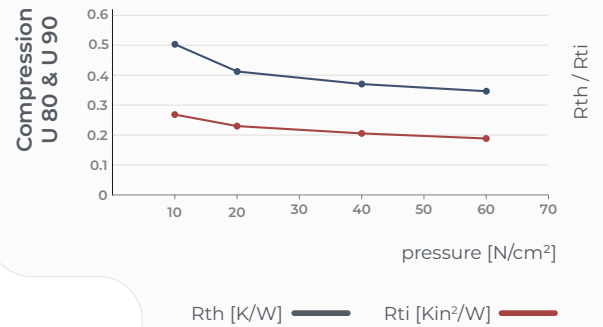


U 80 & U 90 KERATHERM[®] silicone free Thermal Tape

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} *	2.0×10^{11} **
Dielectric loss factor $\tan \delta$		1.3×10^{-2} *	1.4×10^{-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



✓ 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.

Unless expressly authorized by us in writing, our products must not be used in any application where product failure or the consequences thereof could reasonably be expected to result in personal injury or harm. We make no representations, warranties, or assurances regarding the accuracy, completeness, or suitability of the information contained herein, including, without limitation, any warranty of non-infringement of third-party intellectual property rights.

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