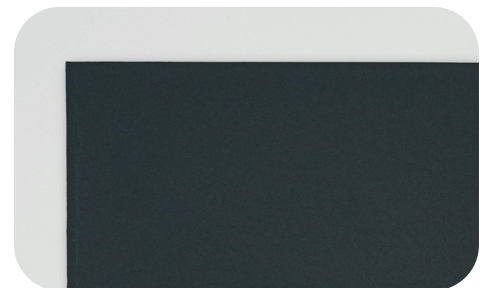
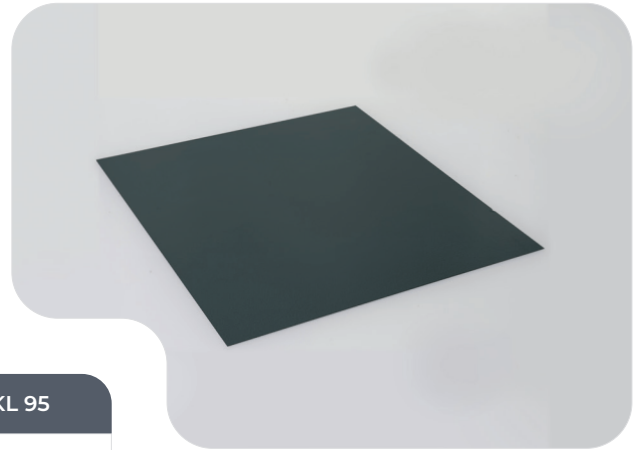


KL 95

KERATHERM® thermally conductive adhesive film

Benefits

- High thermal conductivity
- High adhesive strength
- Good adhesion to various surfaces
- low thickness



Properties	Unit	KL 95
Colour		grey
Basic material		Filled Acrylic Polymer
Thermal Properties*		
Thermal conductivity λ^{**}	W/mK	1.3
Thermal resistance R_{th}	K/W	0.32
Electrical Properties*		
Dielectric breakdown voltage $U_{d,AC}$	kV/mm	2.0
Volume resistivity	Ωm	2.0×10^{11}
Dielectric loss factor $\tan \delta$		24×10^{-1}
Dielectric constant ϵ_r		1.7
Mechanical Properties		
Hardness	Shore A	60
Tensile shear strength*	N/cm ²	> 6.5
Tensile shear strength* (Temperature aging)	1h/65°C 24h/65°C 72h/65°C	N/cm ² 26.90 34.30 48.80
Physical Properties		
Adhesion*** (bonding strength)	Nmm	> 0.5
Tack*** (surface Adhesiveness)	mm	> 1.0
Density	g/cm ³	2.24
Application temperature***	°C	-40 to +100
Flame rating	UL-94	V-0
Possible thickness	mm	0.18 - 0.3

* Measured @ thickness 0.18 mm

** Tensile shear strength Alu/Foil/Alu – 25x25 mm²(outsourcing – 48h/RT);

*** used measurement – Texture Analyser (TA.XT-plus)



Note

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. KERAFOL® is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. All specifications are subject to change without notice. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded. In case KERAFOL® would be nevertheless held liable, on whatever legal ground, KERAFOL®'s liability will in no event exceed the amount of the concerned delivery. All KERAFOL® products are sold pursuant to the KERAFOL®'s Terms and Conditions of sale and delivery in effect from time to time, a copy of which will be furnished upon request.

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