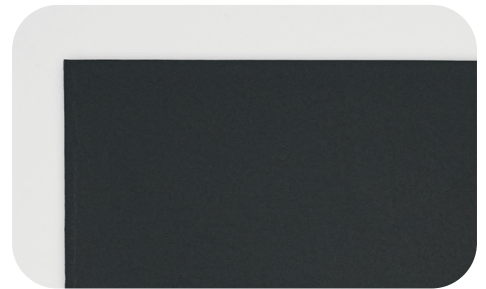
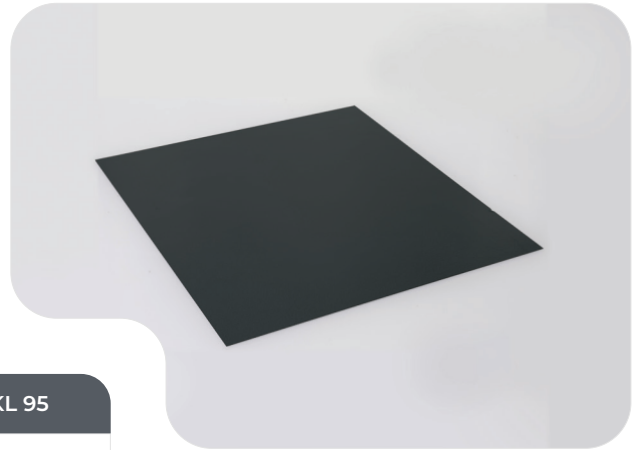


KL 95

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	26.90
	24h/65°C	34.30
	72h/65°C	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

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.

We disclaim all liability arising from the application or use of the products described in this document. This document does not grant any license, express or implied, under any patents, copyrights, trade secrets, or other intellectual property rights, whether ours or those of third parties. Furthermore, we make no warranty or guarantee against potential infringement of third-party intellectual property rights arising from the use or application of our products.

Products may contain substances subject to regulatory labeling requirements; such information is provided in the corresponding safety data sheets. This document supersedes all prior information and may be updated or replaced at our discretion. We reserve the right to make changes to this document without notice.