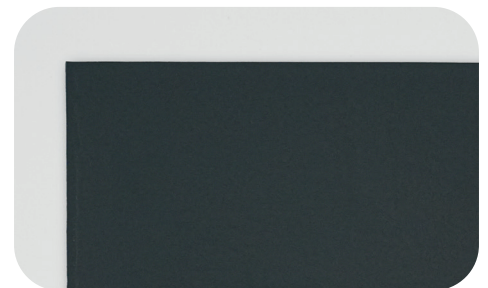
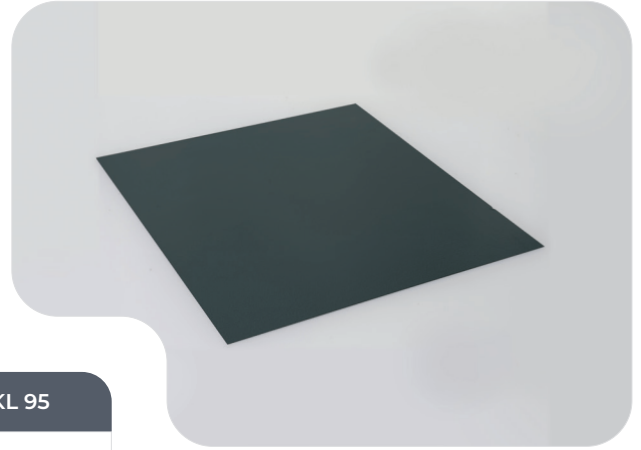


# KL 95

## 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
<b>Thermal Properties*</b>		
Thermal conductivity $\lambda^{**}$	W/mK	1.3
Thermal resistance $R_{th}$	K/W	0.32
<b>Electrical Properties*</b>		
Dielectric breakdown voltage $U_{d,AC}$	kV	2.0
Volume resistivity	$\Omega m$	$2.0 \times 10^{11}$
Dielectric loss factor $\tan \delta$		$2.4 \times 10^{-1}$
Dielectric constant $\epsilon_r$		1.7
<b>Mechanical Properties</b>		
Hardness	Shore A	60
Tensile shear strength*	N/cm <sup>2</sup>	> 6.5
Tensile shear strength* (Temperature aging)	1h/65°C 24h/65°C 72h/65°C	N/cm <sup>2</sup> 26.90 34.30 48.80
<b>Physical Properties</b>		
Adhesion*** (bonding strength)	Nmm	> 0.5
Tack*** (surface Adhesiveness)	mm	> 1.0
Density	g/cm <sup>3</sup>	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 mm<sup>2</sup>(outsourcing – 48h/RT);

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