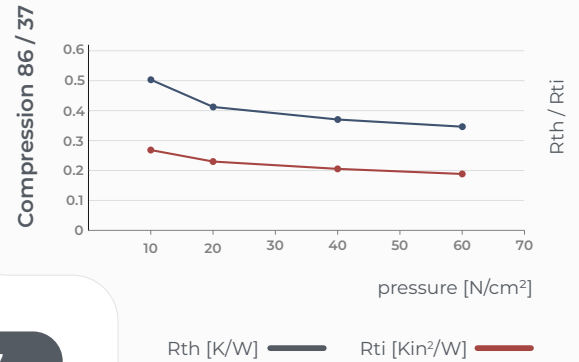


# 86 / 37 KERATHERM® green

## Benefits

- High electrical insulation
- Cost effective solution
- Available with adhesive coating
- Reinforcement with fiberglass possible

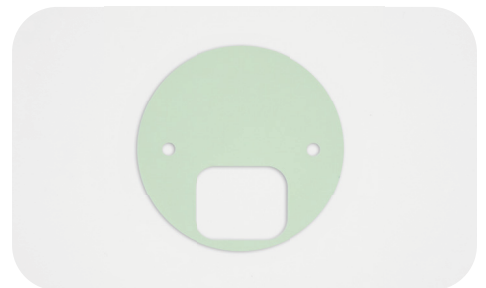
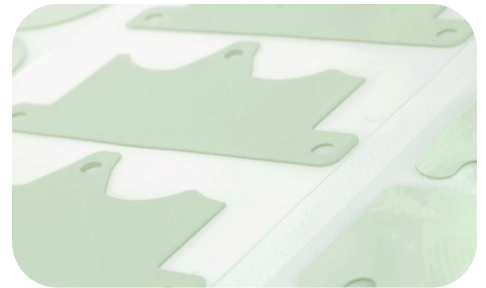


Properties	Unit	86 / 37
Colour		green
<b>Thermal Properties*</b>		
Thermal resistance $R_{th}$	K/W	0.32
Thermal conductivity $\lambda$	W/mK	1.8
<b>Electrical Properties*</b>		
Dielectric breakdown voltage $U_{d,AC}$	kV	8.0
Volume resistivity	$\Omega m$	$2.5 \times 10^{11}$
Dielectric loss factor $\tan \delta$		$6.0 \times 10^{-3}$
Dielectric constant $\epsilon_r$		2.9
<b>Mechanical Properties</b>		
Hardness	Shore A	65 - 75
Tensile strength	N/mm²	2.0
Elongation	%	75
<b>Physical Properties</b>		
Application temperature	°C	-60 to +250
Density	g/cm³	2.29
Flame rating	UL - 94	V - 0
Possible thickness	mm	0.125 - 0.5

Properties	Unit	86 / 17	86 / 27	86 / 47
Film structure		with fibreglass	with fibreglass and adh. coating	with adh. coating
Overall thickness	mm	0.225	0.250	0.250
Tensile strength	N/mm²	7.5	7.5	2.0
Breakdown voltage $U_{d,ac}^*$	kV	6.0	6.0	8.0
Thermal resistance	K/W	0.39	0.55	0.50

\* Measured @ thickness 0.225 mm



## 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.

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