

# L 86 / 50 – PEEK KERATHERM®

## Benefits

- Double layer material
- High electrical insulation
- Higher thermal performance in comparison to comparable hybrid films
- No removal of a carrier film require

Properties	Unit	
<b>Carrier material</b>		<b>PEEK® – Folie</b>
Material thickness	µm	25
<b>Compression material</b>		<b>Keratherm 86/50</b>
Thickness	µm	225
<b>Laminate construction</b>		<b>86/50-PEEK®-Folie</b>
Thickness	µm	250
Thermal conductivity*	W/mK	1.1
Thermal resistance $R_{th}$	K/W	0.51
Dielectric breakdown	KV/mm	8.0
Hardness	Shore A	70 - 80
Application temperature	°C	-40° to +250°
Tensile strenght	N/mm <sup>2</sup>	8

\* Measured @ thickness 0.25mm



Customized, KERATHERM® Hybrid film with PEEK® carrier film

## **Note**

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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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