## L 86 / 50 - PEEK KERATHERM®

## **Benefits**

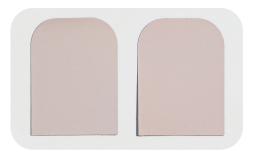
- · Double layer material
- · High electrical insulation
- Higher thermal performance in comparison to comparable hybrid films
- · No removal of a carrier film require

Properties	Unit	
Carrier material		PEEK® – Folie
Material thickness	μm	25
Compression material		Keratherm 86/50
Thickness	μm	225
Laminate construction		86/50-PEEK®-Folie
Thickness	μm	250
Thermal conductivity*	W/mK	1.1
Thermal resistance R <sub>th</sub>	K/W	0.51
Dielectric breakdown	KV/mm	8.0
Hardness	Shore A	70 - 80
Application temperature	°C	-40° to +250°
Tensile strenght	N/mm²	8

<sup>\*</sup> Measured @ thickness 0.25 mm







Customized, KERATHERM® Hybrid film with PEEK® carrier film



## 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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12-2024