



## L 86/50 – PEEK KERATHERM®

Properties	Unit	Wert
Carrier material		PEEK® – Folie
Material thickness	µm	25
Carrier material color		amber
Temperature stability	°C	-50 bis + 250 (momentarily 330°C)
Compression material		Keratherm 86/50
Thickness	µm	225
RoHS compliance		yes
Flammability	UL	94-V0
Laminate construction		86/50-PEEK-Folie
Colour		rosa / amber
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° bis +250°
Thermogravimetric Analysis weight loss	°C	<1% @ 300°C <15% @ 450°C
Tensile strenght	N/mm2	8

\*Measured @ thickness 0.25 mm

Customized, KERATHERM®  
Hybrid film with PEEK carrier film

Data for engineer guidance only.  
Observed performance varies in application.  
Engineers are reminded to test the material  
in application.

**NOTE:**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. KERAFOL® is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. All specifications are subject to change without notice. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded. In case KERAFOL® would be nevertheless held liable, on whatever legal ground, KERAFOL®'s liability will in no event exceed the amount of the concerned delivery. All KERAFOL® products are sold pursuant to the KERAFOL®'s Terms and Conditions of sale and delivery in effect from time to time, a copy of which will be furnished upon request.

11-2022