

KERASORB® 2500 & 1500

EMI Absorbing Gap Pad

NEW
DATA SHEET

Application

- Base Station
- 5G Data Infrastructure
- Consumer electronics
- Autonomous vehicle
- Radar sensors

Benefits

- High thermal conductivity
- High EMI suppression @ frequencies up to 77 GHz
- Electromagnetic properties independent from layer thickness
- High electrical isolation
- Elastic



Properties	Unit	2500	1500
Colour		mint	orange
Thermal Properties*			
Thermal conductivity λ	W/mK	2.5	1.5
Electrical Properties**			
Dielectric breakdown voltage $U_{d,AC}$ ***	kV	5.0	5.0
EMI Attenuation**	dB	≥ 40	≥ 40
Mechanical Properties			
Hardness	Shore 00	35 - 50	30 - 45

* Measured @ thickness 1 mm ** Measured @ 45 & 77 GHz *** Measured uncompressed

The new series KERASORB is a HYBRID material of THERMAL & EMI ABSORBER. This means, besides the classic properties of a TIM (thermal interface material) that is used between the heat source (electronic device) & heat sink, this new material also suppresses unwanted energy coupling, resonances or surface currents which cause board level EMI issues.

The Kerabsorb 2500 is characterized by its high thermal conductivity and high level of EMI suppression at very high frequencies up to 77 GHz.

! At maximum pressure, Gap Pads (SOFTTHERM® Films) should not be compressed beyond 30% of the original thickness. In case the material should be compressed more than 30%, the SOFTTHERM® material may leak out.



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.

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