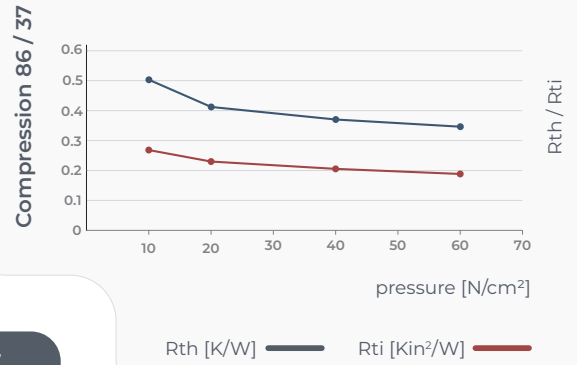


86 / 37 KERATHERM® green

Benefits

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



Properties	Unit	86 / 37
Colour		green
Thermal Properties*		
Thermal resistance R_{th}	K/W	0.32
Thermal impedance R_{ti}	°Cmm²/W	129
	Kin²/W	0.20
Thermal conductivity λ	W/mK	1.8
Electrical Properties*		
Dielectric breakdown voltage $U_{d,AC}$	kV	8.0
Volume resistivity	Ωm	2.5×10^{11}
Dielectric loss factor $\tan \delta$		6.0×10^{-3}
Dielectric constant ϵ_r		2.9
Mechanical Properties		
Hardness	Shore A	65 - 75
Tensile strength	N/mm²	2.0
Elongation	%	75
Physical Properties		
Application temperature	°C	-60 to +250
Density	g/cm³	2.29
Flame rating	UL - 94	V - 0
Possible thickness	mm	0.125 - 0.5



Options

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	0.50	0.55	0.39

* Measured @ thickness 0.225mm

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. KERAFOLE 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 KERAFOLE would be nevertheless held liable, on whatever legal ground, KERAFOLE's liability will in no event exceed the amount of the concerned delivery. All KERAFOLE products are sold pursuant to the KERAFOLE's Terms and Conditions of sale and delivery in effect from time to time, a copy of which will be furnished upon request.

05-2024