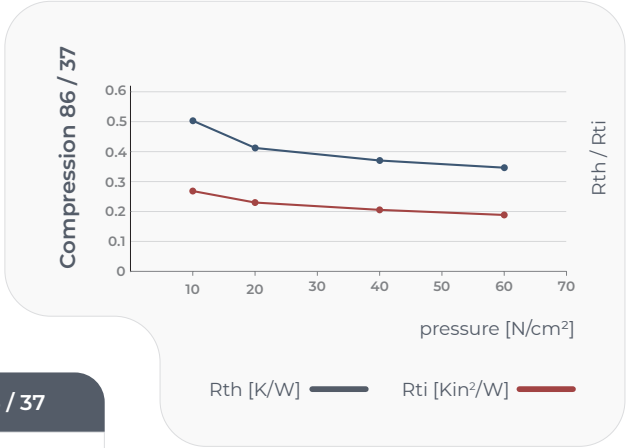
86 / 37
KERATHERM® green

Benefits

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



Properties	Unit	86 / 37
Colour		green
Thermal Properties*		
Thermal resistance R_{th}	K/W	0.32
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 tanδ		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	0.39	0.55	0.50

* Measured @ thickness 0.225 mm

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