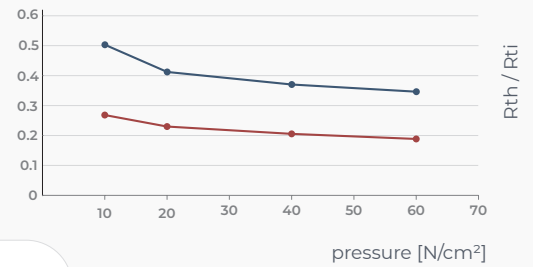


# 86 / 37 KERATHERM® green

## Benefits

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

Compression 86 / 37



Rth [K/W] — Rti [Kin²/W]

Properties	Unit	86 / 37
Colour		green
<b>Thermal Properties*</b>		
Thermal resistance $R_{th}$	K/W	0.32
Thermal conductivity $\lambda$	W/mK	1.8
<b>Electrical Properties*</b>		
Dielectric breakdown voltage $U_{di,AC}$	kV	8.0
Volume resistivity	$\Omega m$	$2.5 \times 10^{11}$
Dielectric loss factor $\tan\delta$		$6.0 \times 10^{-3}$
Dielectric constant $\epsilon_r$		2.9
<b>Mechanical Properties</b>		
Hardness	Shore A	65 - 75
Tensile strength	N/mm²	2.0
Elongation	%	75
<b>Physical Properties</b>		
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 $U_{di,ac}$ *	kV	6.0	6.0	8.0
Thermal resistance	K/W	0.39	0.55	0.50

\* Measured @ thickness 0.225mm