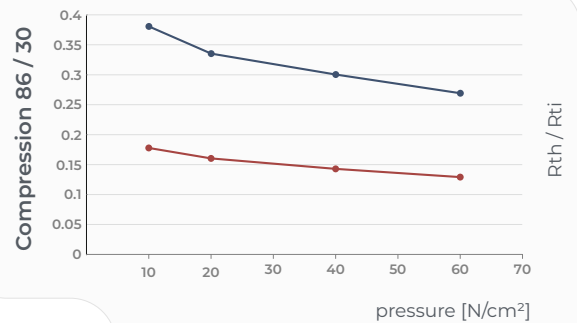


86 / 30 KERATHERM® white

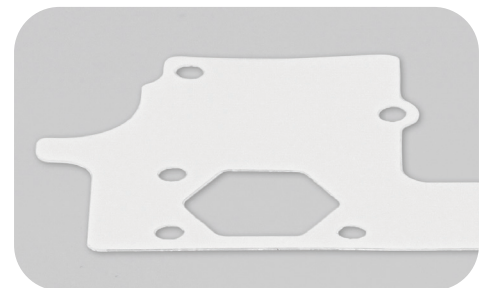
Benefits

- Good thermal conductivity
- Available with adhesive coating
- Reinforcement with fibreglass possible



Rth [K/W] — Rti [Kin²/W]

Properties	Unit	86 / 30
Colour		white
Thermal Properties*		
Thermal resistance R_{th}	K/W	0.22
Thermal impedance R_{ti}	°Cmm²/W	90
	Kin²/W	0.13
Thermal conductivity λ	W/mK	2.5
Electrical Properties*		
Dielectric breakdown voltage $U_{d,AC}$	kV	1.5
Volume resistivity	Ωm	2.5×10^{11}
Dielectric loss factor $\tan \delta$		2.2×10^{-2}
Dielectric constant ϵ_r		3.0
Mechanical Properties		
Hardness	Shore A	70-80
Tensile strength	N/mm²	1.5
Elongation	%	31
Physical Properties		
Application temperature	°C	-60 to +250
Density	g/cm³	2.33
Flame rating	UL-94	V-0
Possible thickness	mm	0.125-0.5



Options

Properties	Unit	86 / 10	86 / 20	86 / 40
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	1.5
Breakdown voltage $U_{d,ac}$ *	kV	1.5	1.5	1.5
Thermal resistance	K/W	0.250	0.300	0.265

* Measured @ thickness 0.225mm

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