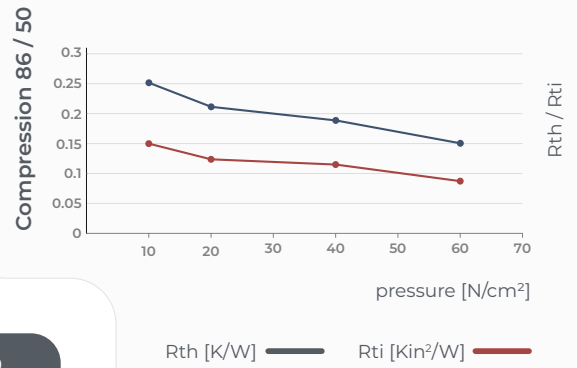


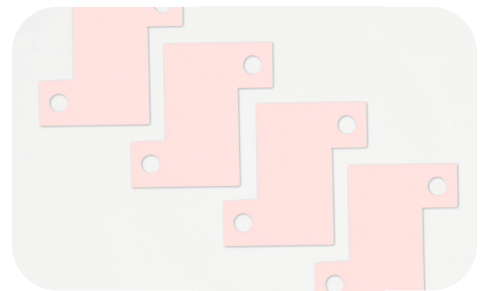
# 86 / 50 KERATHERM® pink

## Benefits

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



Properties	Unit	86 / 50
Colour		pink
<b>Thermal Properties*</b>		
Thermal resistance $R_{th}$	K/W	0.16
Thermal impedance $R_{ti}$	°Cmm²/W	64
	Kin²/W	0.09
Thermal conductivity $\lambda$	W/mK	3.5
<b>Electrical Properties*</b>		
Dielectric breakdown voltage $U_{d,AC}$	kV	1.5
Volume resistivity	$\Omega m$	$1.3 \times 10^{14}$
Dielectric loss factor $\tan \delta$		$6.7 \times 10^{-2}$
Dielectric constant $\epsilon_r$		2.3
<b>Mechanical Properties</b>		
Hardness	Shore A	70 - 80
Tensile strength	N/mm²	1.3
Elongation	%	25
<b>Physical Properties</b>		
Application temperature	°C	-60 to +250
Density	g/cm³	1.97
Flame rating	UL - 94	V - 0
Possible thickness	mm	0.125 - 0.5



Options

Properties	Unit	86 / 51	86 / 52	86 / 53
Film structure		with adh. coating	with fibreglass	with fibreglass and adh. coating
Overall thickness	mm	0.250	0.225	0.250
Tensile strength	N/mm²	1.3	10.0	10.0
Breakdown voltage $U_{d,ac}$ *	kV	1.5	1.5	1.5
Thermal resistance	K/W	0.26	0.22	0.27

\* Measured @ thickness 0.225mm

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