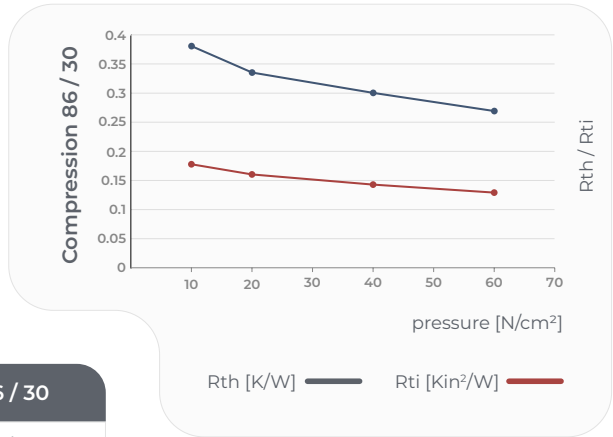


# 86 / 30 KERATHERM® white

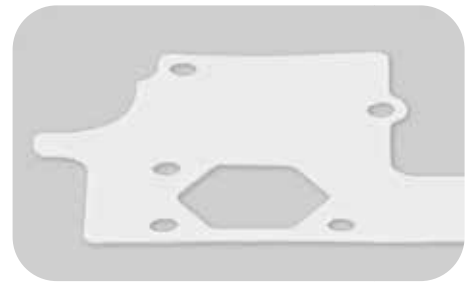
MHW INTERNATIONAL CORPORATION  
A POWERFUL SOLUTION

## Benefits

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



Properties	Unit	86 / 30
Colour		white
<b>Thermal Properties*</b>		
Thermal resistance $R_{th}$	K/W	0.22
Thermal conductivity $\lambda$	W/mK	2.5
<b>Electrical Properties*</b>		
Dielectric breakdown voltage $U_{d,AC}$	kV	1.5
Volume resistivity	$\Omega m$	$2.5 \times 10^{11}$
Dielectric loss factor $\tan\delta$		$2.2 \times 10^{-2}$
Dielectric constant $\epsilon_r$		3.0
<b>Mechanical Properties</b>		
Hardness	Shore A	70-80
Tensile strength	N/mm²	1.5
Elongation	%	31
<b>Physical Properties</b>		
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 0.225 mm

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