

Keratherm[®] - Softtherm[®] 86/120

This Softtherm[®] material is a good alternative if you are looking for a high insulation, a very good compressibility and a good thermal conductivity.

Properties	Unit	86/120
Colour		green
Thermal properties		
Thermal resistance R_{th}	K/W	0.83
Thermal impedance R_{ti}	$^{\circ}Cmm^2/W$ Kin^2/W	302 0.47
Thermal conductivity λ	W/mK	1.5
Electrical properties		
Breakdown voltage $U_{d; ac}$	kV	4.0
Dielectric breakdown $E_{d; ac}$	kV/mm	8.0
Volume resistivity	Ωm	1.0×10^{11}
Dielectric loss factor $\tan \delta$	1	8.0×10^{-3}
Dielectric constant ϵ_r	1	3.5
Mechanical properties		
Measured thickness (+/-10%)	mm	0.5
Hardness	Shore 00	30 - 45
Youngs modulus*	N/cm ²	111
Physical properties		
Density	g/cm ³	2.3
Application temperature	$^{\circ}C$	-40 to +150
TML	Ma.-%	< 1.2
Flame rating	UL	-
Possible thickness**	mm	0.5 - 5.0

*Youngs modulus sample size 30mmx30mmx2.5mm; variable contact pressure; compression 50% of the measured thickness

Applications:

- RD-RAM memory modules
- Heat pipe thermal solutions
- Automotive engines
- Control units
- Plasma supply console

Optional available with adhesive coating!

