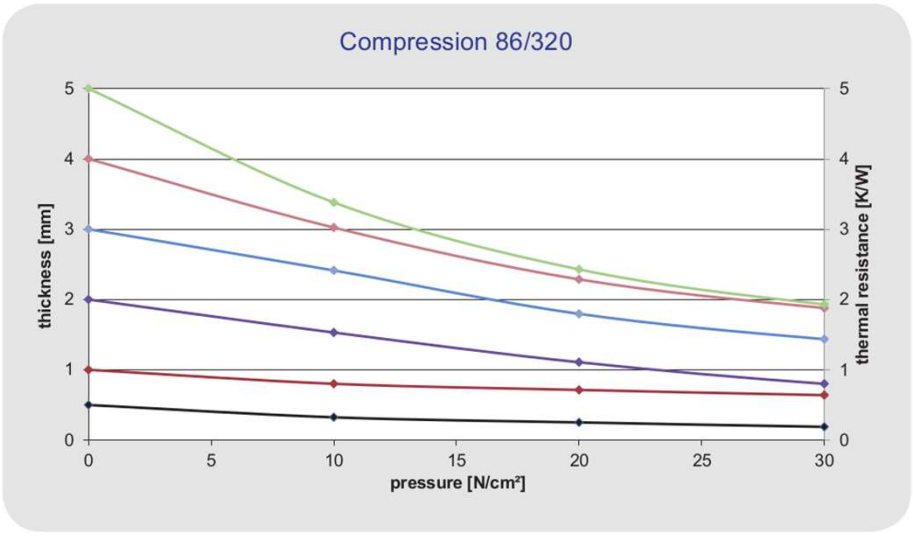
Thermal Interface Material

86/320

KERAFOL®
Keramische Folien GmbH

- Soft material
- Glass fiber up to 1.5mm
- Good thermal performance

Properties	Unit	86/320
Color		Yellow
Thermal Properties		
Thermal Conductivity	W/mK	2.5
Thermal Resistance	K/W	0.5
Electrical Properties		
Breakdown Voltage $U_{d;\,ac}$	kV	5
Dielectric Breakdown $E_{d;\,ac}$	kV/mm	10
Volume Resistivity	Ωm	6.8×10^{11}
Dielectric Constant ε_r		3.4
Dielectric Loss factor tanδ		29×10^{-3}
Mechanical Properties		
Hardness	Shore 00	25-38
Young's Modulus	N/cm^2	32
Physical Properties		
Application Temperature	°C (°F)	-40 to +180 (-40 to +356)
Density	g/cm^3	1.69
Total Mass Loss (TML)	%	<0.46
Flame rating	UL-94	V-0
Standard Thickness	mm (inch)	1, 1.5, 2, 3, 4, 4.5 (0.04, 0.06, 0.08, 0.12, 0.16, 0.18)



Applications

- Lighting
- Appliances
- Automotive
- Control units
- Larger applications

Options

- Other thicknesses maybe available, subject to minimum order quantities

The data provide engineering guidance, performance in actual applications should be established through testing.

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