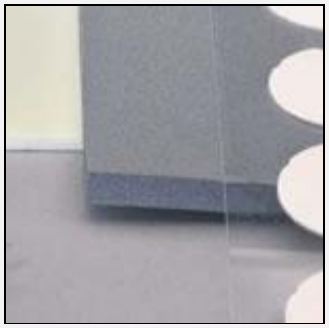
DATASHEET

KERAFOL®

Softtherm®: 86/120



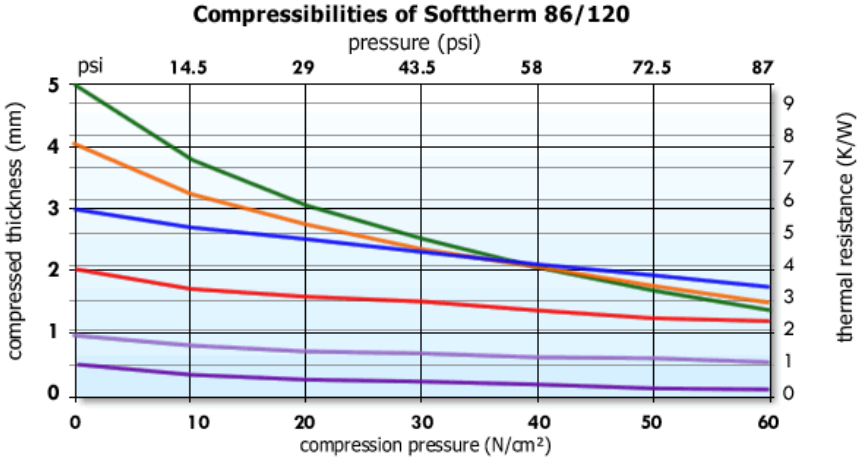
This Softtherm® material is a good alternative if you are looking for a high insulation, a very good compressibility and a good thermal conductivity.

APPLICATIONS

- RD-RAM Memory Module
- Heat Pipe Thermal Solutions
- Automotive Engine
- Control Units
- Plasma Supply Console

Properties	*symbol*	unit	86/120
Color			Green
Thermal Properties			
Thermal Resistance	R_{th}	K/W	0.83
Thermal Impedance	R_{ti}	°Cmm²/W Kin²/W	302 0.47
Thermal Conductivity	λ	W/mK	1.5
Electrical Properties			
Breakdown Voltage	$U_{d;ac}$	kV	4
Dielectric Breakdown	$E_{d;ac}$	kV/mm	8
Volume Resistivity		Ωcm	1.0×10^{11}
Dielectric Loss Factor	tan δ	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/cm³	111
Physical Properties			
Density		g/cm³	2.3
Application Temperature		°C	-40 to +150
TML		Ma.-%	< 0.18
Flame class		UL	-

* **Available Thicknesses:** 0.5 – 5.0 mm



MH&W International Corp.
THERMAL PRODUCTS DIVISION
14 Leighton Place
Mahwah, NJ 07430
Tel: (201) 891-8800
Fax: (201) 891-0625
Email: thermal@mhw-intl.com
Internet: http://www.mhw-thermal.com

05/2010