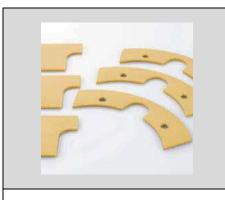
# Softtherm<sup>®</sup>: 86/225 & 86/320



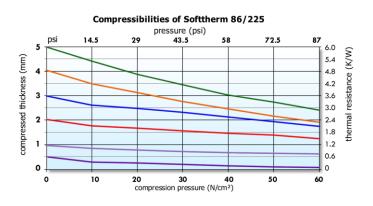
Single layer Softtherm films with graded thermal behavior. These films partial fiberglass are reinforced and are a low cost alternative to the two layer Softtherm films.

# **APPLICATIONS**

- **RD-RAM Memory Module** ٠
- Heat Pipe Thermal Solutions •
- **Automotive Engine** .
- **Control Units** •
- Plasma Supply Console •

DISCLAIMER: Purchaser shall be solely responsible for determining the adequacy of the product for any and all uses which the purchaser shall apply the product, and the application of the product by the purchaser shall not be subject to any implied warranty of fitness for that purpose.

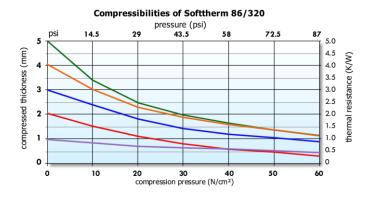
### Available Thicknesses 86/225: 0.5 - 5.0 mm 86/320: 1.0 - 5.0 mm



Properties	symbol	unit	86/225	86/320
Color			orange	mandarin
Thermal Properties				
Thermal Resistance	$R_{th}$	K/W	0.60	0.50
Thermal Impedance	Rti	°Cmm²/W	240	147
		Kin²/W	0.37	0.23
Thermal Conductivity	λ	W/mK	2.0	2.5
Electrical Properties				
Breakdown Voltage	$U_{d;ac}$	kV	6.0	5.0
Dielectric Breakdown	$E_{d;ac}$	kV/mm	12	10
Volume Resistivity		$\Omega$ cm	2.2 x 10 <sup>11</sup>	0.68 x 10 <sup>12</sup>
Dielectric Loss Factor	tan $\delta$	1	1.0 x 10 <sup>-3</sup>	2.9 x 10 <sup>-2</sup>
Dielectric Constant	٤r	1	3.6	3.4
Mechanical Properties				
Measured Thickness (±10%)		mm	0.5*	0.5*
Hardness		Shore A	30 - 45	25 - 38
Youngs Modulus **		N/cm <sup>2</sup>	58	32
Physical Properties				
Density		g/cm <sup>3</sup>	1.65	1.69
Application Temperature		°C	-40 to +180	-40 to +180
Total Mass Loss (TML)		Ma%	< 0.44	< 0.46
Flame class		UL	94V-0	94V-0

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

## **Available with Optional Adhesive!**





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