



THERMALLY CONDUCTIVE SILICONE FOAM

MATERIAL SPECIFICATION SHEET

PROPERTY	TEST METHOD	VALUE	UNITS
Colour	Visual	Light Green	
Thickness, nominal	ASTM D374	1/32, 1/16, 3/32, 1/8, 3/16, 1/4	Inch
Thermal Conductivity	ASTM E1530	See chart below	W/Mk
Thermal Impedance	ASTM E1530	See chart below	°C in.2.W
Break Strength	ASTM D412	120	Psi
Elongation	ASTM D412	150	%
Hardness	ASTM D2240	13	Shore A
Dielectric Strength	ASTM D149	100	Volts/mil
Compression Deflection	ASTM D1056	20	@25% psi
Compression Set	ASTM D1056	15	
Density	ASTM D297	0.040	lbs./lin3
Operating Temperature	-	-62 to +204	°C



ISO 9001:2015 Q93057 ISO 14001:2015 EMS 505718

The company's products are used for a multiplicity of purposes and as the company has no control over the method of their applications or use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise, as to their products and/or their fitness for any particular purpose. Any technical co-operation between the company and the customer is given for customers assistance only and without liability on the part of the company

Compression (%)	Pressure (psi)	Thermal Conductivity (W/mK)	Thermal Impedance (°C in.2.W)
Contact	<1	0.30	6.0
10	5	0.40	4.5
25	12	0.45	2.5
50	34	0.65	1.0

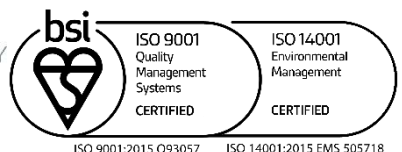
All properties are typical values and should not be used for writing specifications

Recommended Uses:

SIL-X-600-FFF is offered to fill the needs of an unsupported thermal transfer material in applications requiring clean release, enhanced thermal performance by filling air gaps, electrical isolation and vibration cushioning.

Availability:

SIL-X-600-FFF is available in both sheets 915mm x 915mm and 915mm wide off the roll. Material can be supplied with an aggressive acrylic pressure sensitive adhesive or high temp Silicone adhesive on one side. Nonstandard thicknesses available, please contact our sales team. An extra firm grad is available in 1/32" thick.



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