

GP2000

Thermally Conductive Tubes

Version 1.241019



Thermally Conductive Tubes

t-Global's GP2000 series are silicone based thermally conductive tubes for enabling heat transfer from cylindrical components. They provide thermally conductive insulation for clip mounted plastic power packages. Made from a highly conductive silicone rubber. All-round electric insulation of the components ensuring maximum protection against electrical breakdown whilst reducing total thermal resistance to the cooling element, heat sink, or chassis.

Features

- Usable over a wide temperature range
- Simplified processing and reduced operating costs
- Complies with UL standards

Applications

Clip mounted power semi-conductors
TO-220, TO-218, TO-247, and TO-3P

Properties

Property	GP2000- D11-L25-0.3	GP2000- D11-L25-0.3	GP2000- D11-L25-0.3	GP2000- D11-L25-0.3	Unit	Test Method
Colour	Grey				-	Visual
Thickness	0.3	0.3	0.3	0.3	mm	-
Diameter / Length	11mm / 25mm	11mm / 30mm	13.5mm / 25mm	13.5mm / 30mm	mm/mm	-
Thermal Conductivity	1.3	1.3	1.3	1.3	W/mK	ASTM D5470
Operating Temperature Range	-55 to 180				°C	-
Density	2.52				g/cm ³	ASTM D792
Shore A	80	80	80	80	-	ASTM D2240
Dielectric Breakdown Voltage (AC)	5000	5000	5000	5000	V	ASTM D149
Dielectric Breakdown Voltage (DC)	7000	7000	7000	7000	V	ASTM D149
Dielectric Constant	5.7	5.7	5.7	5.7	1000 Hz	ASTM D150
Volume Resistivity	>10 ¹²	>10 ¹²	>10 ¹²	>10 ¹²	Ohm-cm	ASTM D257
TML	<0.2%	<0.2%	<0.2%	<0.2%	%	ASTM E595
Tensile Strength	200	200	200	200	PSI	ASTM D412
Elongation	60	60	60	60	%	ASTM D412
UL Flammability	V-0	V-0	V-0	V-0	-	UL 94

Limited Warranty

High Thermal Conductivity Tubes are guaranteed against detachment, under normal use, for 5 years from the purchase date. The User shall be solely responsible for determining the suitability of TC Tubes for the intended use, and the user assumes all risks and liabilities whatsoever in connection therewith. Neither seller nor manufacturer shall be liable either in tort or in contract for any loss or damage, including loss of profits or revenue arising out of the inability to use the product.

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