

TG-A1780

Ultra Soft Thermal Pad

REACH Compliant RoHS Compliant UL Compliant

Features

- High thermal conductivity
- Low thermal impedance
- Good electrical insulation

Application:

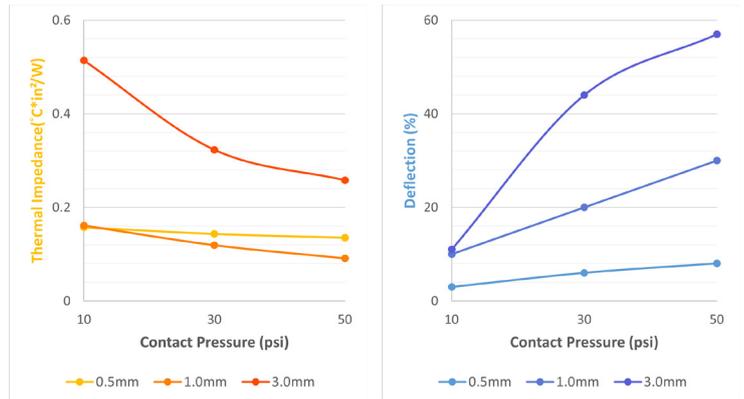
Best for high power applications

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

Properties



Contact Pressure, Thermal Impedance, and Deflection



Properties	TG-A1780	Unit	Tolerance	Test Method
Thermal Conductivity	17.8	W/m·K	±10%	ASTM D5470 Modified
Thickness	0.5~2.0	mm	-	ASTM D374
	0.0197~0.0787	inch	-	ASTM D374
Color	Light Gray	-	-	Colorimeter CIE 1976
Flame Rating	V-0	-	-	UL 94
Dielectric Breakdown Voltage	≥8	KV/mm	-	ASTM D149
Weight Loss	<1	%	-	ASTM E595 Modified
Density	3.5	g/cm ³	±5%	ASTM D792
Operating Temperature	-50~+180	°C	-	-
Volume Resistivity	6×10 ¹²	Ohm-m	-	ASTM D257
Elongation	20	%	-	ASTM D412
Standard Format	Sheet	-	-	-
Hardness	70	Shore OO	±10	ASTM D2240

- ※For thicknesses less than 1.0mm, hardness will be adjusted to 50-75 Shore OO to facilitate effective removal of liner during production
- ※Different tolerances according to the selected thickness
- ※Die-cut for different shapes

T-Global Technology (Europe & North America) Ltd.

Units 1-2 Cosford Business Park, Central Park, Lutterworth, Leicestershire, LE17 4QU, United Kingdom
 T +44 (0)1455 553 510 E sales@tglobaltechnology.com W www.tglobaltechnology.com

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