

TGP1200, TGP1500, TGP3000, TGP5000, TGP6000, TGP8000

THERMAL GAP PADS MODELS

Solstice's Thermal Gap Pads (TGP) provide high thermal performance with ease of use across multitude of applications. Its ultra-high compressibility enables low stress and excellent conformity to mating surfaces. It is designed to minimize thermal resistance at interfaces, and maintain excellent performance through reliability testing. Solstice TGP models are naturally tacky, and require no additional adhesive which could inhibit thermal performance. Products are available in thickness range from 0.5mm to 5.0mm.

STORAGE & USE: Shelf life 12 months at 23±2°C

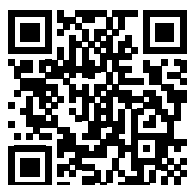
Typical Applications

- Consumer electronics
- Telecommunications & network servers
- Automotive electronics
- Power devices & modules
- Semiconductors logics & memory

PRODUCT NAME	TGP1200	TGP1500	TGP3000	TGP5000	TGP6000	TGP8000	TEST METHOD
Color	Blue	Grey	Yellow	Blue	Grey	Grey	Visual
Thickness (mm)*	0.5-5	0.5-5	0.5-5	0.5-5	0.5-5	0.5-5	ASTM D374
Specific Gravity	1.7	1.8	3.1	3.3	3.3	3.4	ASTM D792
Hardness (Shore00)	30	40	40	45	40	30	ASTM D2240
Thermal Conductivity (W/m·K)	1.2	1.5	3.0	5.0	6.0	8.0	ASTM D5470
Thermal Impedance (°C-in ² /W)(1mm@10psi)	1.03	0.94	0.65	0.3	0.25	0.2	ASTM D5470
Dielectric Constant@1MHz	4.5	5.5	6.6	5.0	8.5	8.3	ASTM D150
Volume Resistivity (Ohm·cm)	4.0 x 10 ¹²	2.0 x 10 ¹³	4.8 x 10 ¹³	8.0 x 10 ¹³	3.8 x 10 ¹⁵	6.5 x 10 ¹⁵	ASTM D257
Flammability Rating	V-0	V-0	V-0	V-0	V-0	V-0	UL 94

BENEFITS & FEATURES

- High thermal performance
- Ultra-high compressibility for low stress applications
- Excellent surface wetting for low contact resistance
- High reliability
- Electrically insulating



For More Information Visit

solstice.com

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