

Max-Therm Thermal Interface material -Thermal Pad

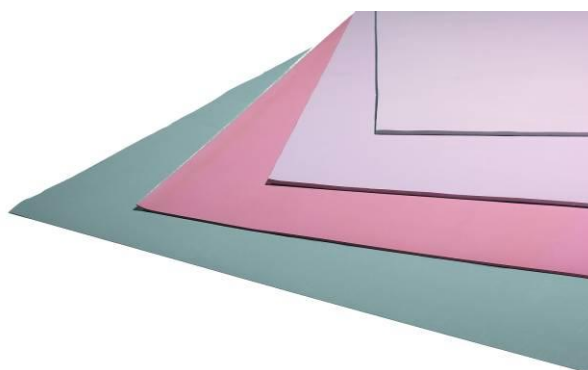
GP7000 series

General Usage:

GP7000 is using the silicone rubber with excellent thermal conductivity, it is a high performance ceramic particles filled silicone rubber, which is a highly conformal and thermally conductive thermal pad. It is used between heat sink and heat generating components. Its ultra soft proper enable filling air voids and rugged surface, and wetting out matting surfaces in order to efficiently transfer heat from components to heat sink.

Benefit:

- Continuous roll package rubber
- General Thermal conductivity
- Ultra soft, highly compressible
- Good wetting
- Self tacky or additional PSA if required



Typical Applications:

- Information products
- BGA
- Power module

TennVac Inc. (Taiwan)
Tel: +886 2 26951213
Fax: +886 226951187
Email: sales@tennvac.com

**TennVac Technology
(Shenzhen) Co. Ltd**
Tel: +86 755 26951701
Fax: +86 755 26952411
Email: sales@tennvac.com

**TennMax Electronic
Material (Kunshan) Co.
Ltd**
Tel: +86 512 57603910
Fax: +86 512 57603915
Email: sales@tennvac.com

TennMax America Inc.
Tel: +1 (360) 5463824
Fax: +1 (360) 5670706
Email: jeff@tennmaxusa.com

Typical Properties:

GP7000 series	Test method	GP7013	GP7025	GP7030	GP7050	GP7075	GP7100	GP7150	GP7200	GP7250	GP7300
Construction & Composition		Silicone									
Color		Cyan									
Thickness (mm)		0.13mm	0.25mm	0.3mm	0.50mm	0.75mm	1.00mm	1.50mm	2.00mm	2.50mm	3.00mm
Thickness Tolerance (mm)		±10%									
Density (g/cc)		2.5									
Standard Hardness (Shore OO)	ASTM D 2240	60	60	60	50	50	50	50	50	50	50
Tensile Strength	ASTM D 638	35 psi									
Elongation (%)	ASTM D 412	48									
Outgassing TML *Post Cured (%)	ASTM E 595	N/A									
Outgassing CVCN *Post Cured (%)		N/A									
UL Rating		94V0									
Continuous Use Temp (°C)	TGA+DMA	-40 ~ 200									
Thermal Conductivity (W/mk)	ASTM 5470/E 1530	5.0									
Thermal Impedance @10psi (°C-in²/W)		0.04	0.16	0.28	0.36	0.38	0.42	0.56	0.71	0.85	0.99
@69KPa(°C-cm²/W)		0.26	1.03	1.80	2.10	2.44	2.69	3.59	4.55	5.45	6.35
Thermal Expansion (ppm/C)		23.8									
Dielectric Strength (Volts)		NA									
Volume Resistivity (ohm-cm)	ASTM D 257	>10 ¹³									
Dielectric Constant @1MHz	ASTM D 150	NA									

Typical Properties:

This information and our technical advice – whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale and Delivery.

TennVac Inc. (Taiwan)

Tel: +886 2 26951213
 Fax: +886 226951187
 Email: sales@tennvac.com

TennVac Technology (Shenzhen) Co. Ltd

Tel: +86 755 26951701
 Fax: +86 755 26952411
 Email: sales@tennvac.com

TennMax Electronic Material (Kunshan) Co. Ltd

Tel: +86 512 57603910
 Fax: +86 512 57603915
 Email: sales@tennvac.com

TennMax America Inc.

Tel: +1 (360) 5463824
 Fax: +1 (360) 5670706
 Email: jeff@tennmaxusa.com