



GT90PRO

Soft and Elastic Graphene Enhanced Thermal Interface Material

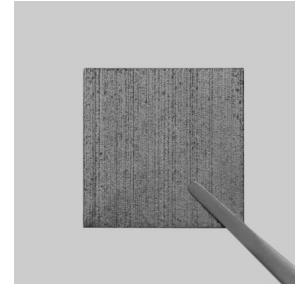
Trademark: GT-TIM

Features:

- Super High Thermal Conductivity
- Low Effective Thermal Resistance
- High Compressibility and Ultra Light

Applications:

Cooling of dataservers, thermal Burn-In, IC thermal testing, 5G devices, automotive electronics GPU, CPU, RF, Opto module, IGBT, LED and other power modules



Description:

GT90PRO is a highly soft graphene enhanced thermal interface material. It has very low effective thermal resistance (5.7 Kmm² /W at 276 kPa, 200µm with no adhesive layer). Moreover, the GT90PRO has advantages of low density, low complexity during assembly and good maintainability.

Physical Properties	Value	Units	Test Method
Bulk Thermal Conductivity	90 ± 10 (275KPa, 200µm)	W / mK	ASTM5470
Effective Thermal Resistance	5.7 ± 0.5 (275KPa, 200µm)	Kmm ² / W	ASTM5470
Thickness Range for Production	0.2 - 2	mm	Micrometer
Thickness Tolerance	< 10	%	Micrometer
Pad Size	Up to 60 * 60	mm	-
Compressibility	> 50	%	-
Compressive Strength	650 ± 50 (200µm)	KPa	At 50% compression
Recovery	> 70	%	-
Tensile Strength	50 ± 10	KPa	Tensile tester
Surface Roughness (Ra)	5 ± 3	µm	Wyko NT1100 optical profilometer
Surface Roughness (Rz)	30 ± 15	µm	Wyko NT1100 optical profilometer
Application Temperature	-40 to 200	°C	-
Flammability	V - 0		UL94
Specific Heat	0.25 ± 0.05	J / g.K	Hotdisk
Density	0.43 ± 0.03	g / cm ³	Balance and Micrometer
Color	Grey	-	Visual

GT-TIM is a protected trademark of Smart High Tech

Smart High Tech

Arendals Allé 3, SE-418 79 Gothenburg, Sweden

Email: info@smarthightech.com