

## Thermaless® TA6007 TECHNICAL DATASHEET

### Overview

TA6007 is a graphene-enhanced, non-silicone thermal grease formulated for extremely low thermal impedance, long-term stability that can be spread easily and evenly and available for low heatsink pressure application.

### Features

- > Excellent performance
  - > Excellent long-term stability
  - > Non-corrosive
  - > No special requirements for storage
  - > Operating temperature -20 ~ 120°C
- > Easy to apply and less to use
  - > No cure time required
  - > Low dry-out
  - > Electrically non-conductive

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>Physical</b>			
Color	Gray		
Specific Gravity	2.3	g/cm <sup>3</sup>	ASTM D1475
Viscosity	< 200 k	cP	BrookField CVE #7 12 RPM
<b>Thermal</b>			
Thermal Conductivity	6.0	W/m-K	ASTM D5470
Thermal Impedance	0.007	°C -in <sup>2</sup> /W	ASTM D5470 (80°C 40 psi)
Dry-Out test	0.3	Weight Loss%	240 Hours @ 90°C
Bake 105°C 1200 h	0.007	°C -in <sup>2</sup> /W	ASTM D5470 (80°C 40 psi)
85% / 85°C 240 h	0.007	°C -in <sup>2</sup> /W	ASTM D5470 (80°C 40 psi)
Thermal cycle (-20 ~ 120°C) 800 cycles	0.007	°C -in <sup>2</sup> /W	ASTM D5470 (80°C 40 psi)
<b>Electrical</b>			
Dielectric Strength	1.0	kV/mm	ASTM D-149

### Note:

Typical values do not constitute a product specification. Test results may vary based on test conditions and equipment.

### PACKING INFORMATION

TA6007 is available in n.w. 1 kg (400-ml plastic jar) and n.w. 130 g (55-ml plastic dispensing cartridge) packages.

### STORAGE AND SHELF LIFE

TA6007 has a shelf life of 12 months when stored at temperatures between 15°C and 40°C.

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### DISCLAIMER

While the provided data is believed to be accurate and reliable, it is not intended for use in setting standards. ITW disclaims any responsibility for end-use applications and offers no performance warranties. Customers are advised to conduct their own testing and analysis to ensure the materials meet their specific requirements.