

Thermaless® CP0706B1 TECHNICAL DATASHEET

Overview

CP0706B1 is a nanomaterial-enhanced, non-silicone, non-VOC 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
- > Easy to apply and less to use
 - > No cure time required
 - > Low dry-out
 - > Electrically non-conductive

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
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Physical

Color	Gray		
Specific Gravity	2.3	g/cm ³	ASTM D1475
Viscosity	< 500 k	cP	Anton Paar MCR 72, 4.1 RPM

Thermal

Thermal Conductivity	6.3	W/m-K	ASTM D5470
Thermal Impedance	0.008	°C -in ² /W	ASTM D5470 (80°C)
Dry-Out test	0.3	Weight Loss%	240 Hours @ 90°C
Bake 105°C 1200 h	0.008	°C -in ² /W	ASTM D5470 (80°C)
85% / 85°C 240 h	0.008	°C -in ² /W	ASTM D5470 (80°C)

Note:

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

PACKING INFORMATION

CP0706B1 is available in n.w. 1 kg (500 ml plastic jar) and n.w. 120 g (55 ml plastic dispensing cartridge) packages.

STORAGE AND SHELF LIFE

CP0706B1 has a shelf life of 12 months when stored at temperatures between 15°C and 40°C.

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DISCLAIMER

1. All physical properties, statements, and recommendations made by ITW are based on testing or experience believed to be reliable; however, product test results or performance may vary depending on testing conditions and application scenarios. It is the user's responsibility to determine whether a product is suitable for their specific needs and how they plan to use it.
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