THERMAL GREASE 1100

Ceramic-filled single-component silicone with high thermal conductivity

Thermal grease is a ceramic-filled single-component silicone with high thermal conductivity. The non-cross linked thermal compounds will not dry out and the silicone components do not leak out of the compound. The silicone-free thermal compound 1100-12 consists of synthetic, thermal polymer and is suitable for fast and effective heat dissipation.

The paste is particularly suitable for silicone-sensitive applications. The long-term stability of our 1100 series guarantees full functionality during the entire lifetime of the product. Under normal application conditions Thermal grease will not cure, dry our, or melt.

SILICONE-FREE VERSION

The silicone-free Thermal compound 1100-12 consists of synthetic, thermal polymer and is suitable for fast and effective heat dissipation. This paste is particularly suitable for silicone-sensitive applications. Its long-term stability guarantees full functionality during the entire lifetime of the product. Under normal application conditions the 1100-12

Series	Type
1100	Select an option:
	12 : Silver
	96 : Dark white
	97 : White
	98 : Grey

	1100-12	1100-96	1100-97	1100-98
10	0.055	0.065	0.032	0.035
15	0.040	0.055	0.023	0.020
20	0.015	0.050	0.019	0.015
25	0.008	0.048	0.018	0.014
30	0.007	0.045	0.015	0.013
35	0.006	0.042	0.013	0.011
40	0.005	0.038	0.012	0.010

STORAGE

Special storage is not required for our Thermal grease, so it can be stored under normal climate conditions for up to 12 months. If any separation of the filler materials is noted, the 1100 series must be mixed thoroughly before use.

PROPERTIES PER PART NUMBER

Properties	Unit	1100-12	1100-96	1100-97	1100-98
Color		Silver	Dark white	White	Gray
Compound		Soft / pasty			
Thermal properties					
Thermal resistance Rth	K/W	0.006	0.038	0.012	0.01
Thermal impedance Rti	°Cmm²/W KIN²/W	2.2 0.0033	11 0.017	4.5 0.007	4.1 0.0064
Thermal conductivity	W/mK	10	2.4	5	6
Electrical properties					
Electrical conductivity (according to DIN 51412-1)	pS/m	53	8	0	0
Mechanical properties					
Measured thickness (+/- 10%)	Mm	0.25	0.025	0.025	0.025
Physical properties					
		-	-60 to +150	-60 to +150	-60 to +150
	³	1.4	2.6	2.1	2.2
		30- 60	25- 35	70- 110	110- 150
	⁵	< 0.1	< 1.4	< 1.3	< 1.5
		-	Variable	Variable	Variable
(1000 h / 85 °C / 85% relative humidity)					
		0.006	0.038	0.012	0.008

*Shear rate 4s-1 / 25 °C. These values are measured under laboratory conditions. In other situations results may differ. Please read our Guarantee.

ORDER EXAMPLE

Series		Amount of card
1100	–	

12 : Silver
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