

Thermal conductivity products

Thermigrease® TG 20060

Description: Thermigrease® TG 20060 is a silicone-free paste and offers high heat transfer efficiency in various electronic and industrial applications. Thermigrease® TG 20060 is characterised by excellent thermal conductivity and ensures optimum performance and reliability. Thermigrease® TG 20060 fulfils the stringent requirements of modern technologies and is essential for temperature control and extending the life of electronic components.

Properties: Thermigrease® TG 20060 is characterised by high thermal conductivity, electrical insulation, good dielectric strength and high temperature stability. It offers low thermal resistance, is non-corrosive and non-toxic, and is easy to apply and customise. The paste ensures reliable performance over a wide temperature range, is durable and compatible with various substrates. It is characterised by low compression set, minimal bleeding and displacement under pressure. It is also RoHS compliant and suitable for automated dispensing.

Applications: Thermigrease® TG 20060 is designed for applications in displays, projectors, mobile phones, communication base stations, laptops, notebooks, computer servers, portable gaming devices, memory modules, CPU modules, amplifiers, batteries, power supplies with DC/DC converters, motor management, communication and multimedia systems, vehicle control, thermal management of electric vehicles.

Dr. Dietrich Müller GmbH

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Colour: Dark grey

Delivery forms: Thermigrease® TG 20060 is supplied in syringes.

Property	Test - Method	Unit	Value
Thickness	-	mm	0,5 – 2,0
Density	ASTM D792	g/cm ³	2,6
Flow rate, (30cc EFD cartridge, 0.1", 90 psi)	-	g/cm ³	7
Application temperature	-	°C	-30 to +150
Thickness of the connecting line (BLT), lower limit	ASTM D374	mm	0,05
Dielectric breakdown	ASTM D419	kV/mm	>10
Dielectric constant	ASTM D150		6
Contact resistance Ohm-m	ASTM D257	Ohm-m	>10 ¹³
Thermal conductivity	ASTM D5470	W/m*K	1,4
Coefficient of thermal expansion	-	ppm/K	210

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Trademark information: Thermigrease® is a registered trademark of Dr Dietrich Müller GmbH, Germany.

Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and the user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.
