

Thermal conductivity products

Thermigrease® TG 20039

Description: Thermigrease® TG 20039 is a silicone based thermalpaste. This product offers a high thermal conductivity and shows neither bleeding nor vaporization in a high temperature spectrum. This paste won't cure, dry out or melt in a time period of 1,000 hours at 200°C. Thermigrease® TG 20039 is very stable at high temperatures and has a good thermal resistance.

Colour: white

Delivery forms: Thermigrease® TG 20039 is available in syringes, tubes, cartridges, beakers or buckets. Other delivery forms upon customer request.

Storage conditions: Thermigrease® TG 20039 should be stored in dry areas at room temperature in its Original packaging.

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Property	Test method	Unit	Value
Condition Interference	ASTM D-217	-	250 - 350
Density	ASTM D-70	g/cm ³	2,4
Bleeding (24 h. %/weight)	FTM-321	bei 150°C bei 200°C	0,00 0,00
Outgassing (24 h. %/weight)	FTM-321	bei 150°C bei 200°C	0,00 0,50
Thermal conductivity (at 36°C)	MIL-C-47113	W/mK	1,0
Puncture strength	ASTM D-149	KV/mm	16
Relative dielectric constant	ASTM D-150	-	4,90
Loss factor	ASTM D-150	-	0,0011
Specific electric resistance	ASTM D-257	Ohm cm	1,96 10 ¹⁵
Operating temperature range	-	°C	-55 to +205
viscosity	-	g/min	2 - 25

Trademark information: Thermigrease® is a registered trademark of the company 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.

Dr. Dietrich Müller GmbH