

Thermally conductive products

Thermigrease® TG 20047

Description: Thermigrease® TG 20047 is a synthetic, silicone-free thermally conductive paste. Thermigrease® TG 20047 conforms to the standard KS 213434 and the military specification MIL-C-47113B.

Properties: Thermigrease® TG 20047 ensures a fast and efficient thermal conductivity. Furthermore Thermigrease® TG 20047 can be used with metal and plastic components.

Applications: Thermigrease® TG 20047 is used to solve issues of pollution and migration of silicone products to the environment.

Standard colour: Thermigrease® TG 20047 is a white/grey paste.

Delivery forms: Thermigrease® TG 20047 can be delivered in injections, tubes, cartridges, cups, buckets and as spray.

Storage requirements: Thermigrease® TG 20047 should be stored in dry rooms at room temperature and in its original packaging.

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Property	Test method	Unit	Value
Condition	ASTM D-217	-	250 – 350
Density	ASTM D-70	g/cm ³	2.7
Bleeding 24 h at 150°C at 200°C	FTM-321	%/weight	0.00 0.10
Gas emission 24 h at 150°C at 200°C	FTM-321	%/ weight	0.10 0.60
Thermal conductivity at 36°C	MIL-C-47113	W/mK	0.70
Dielectric strength	ASTM D-149	kV/mm	12
Relative dielectric constant	ASTM D-150	-	4.5
Dissipation factor tanδ	ASTM D-150	-	0.0029
Specific electrical resistance	ASTM D-257	Ohm x cm	1.65 x 10 ¹⁴
Temperature area	-	°C	-40 up to +200
Viscosity	-	g/min	2 - 10

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 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.

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