

Thermally conductive products

Thermigrease® TG 20036

Description: Thermigrease® TG 20036 is a synthetic, silicone-free thermally conductive paste. Thermigrease® TG 20036 conforms to the standard KS 213434 and the military specification MIL-C-47113B.

Properties: Thermigrease® TG 20036 ensures a fast and efficient thermal conductivity. Furthermore Thermigrease® TG 20036 can be used with metal and plastic components.

Applications: Thermigrease® TG 20036 is used to solve issues of pollution and migration of silicone products to the environment.

Standard colour: Thermigrease® TG 20036 is a white paste.

Delivery forms: Thermigrease® TG 20036 can be delivered in injections, tubes, cartridges, cups, buckets and as spray.

Storage requirements: Thermigrease® TG 20036 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 ²	2.7
Bleeding per weight, 24 h	FTM-321	at 150°C at 200°C	0.00 0.10
Gas emission per weight, 25 h	FTM-321	at 150°C at 200°C	0.10 0.60
Thermal conductivity at 36°C	MIL-C-47113	W/mK	1.2
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 electric resistance	ASTM D-257	Ohm x cm	1.65·x 10 ¹⁴
Temperature area	-	°C	-40 up to +200
Viscosity	-	g/min	2 up to 10
Storability	-	-	unlimited

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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