

## Thermally conductive products

### Thermigrease® TG 20036

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**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.

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

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

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

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

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**Storage requirements:** Thermigrease® TG 20036 should be stored in dry rooms at room temperature and in its original packaging.

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## Thermigrease® TG 20036

| Property                      | Test method | Unit                 | Value                   |
|-------------------------------|-------------|----------------------|-------------------------|
| Condition                     | ASTM D-217  | -                    | 250 – 350               |
| Density                       | ASTM D-70   | g/cm <sup>3</sup>    | 2.7                     |
| Bleeding per weight, 24 h     | FTM-321     | at 150°C<br>at 200°C | 0.00<br>0.10            |
| Gas emission per weight, 25 h | FTM-321     | at 150°C<br>at 200°C | 0.10<br>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 <sup>14</sup> |
| 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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