Thermal conductivity products

Thermipad® TP 22832

Description:

Thermipad® TP 22832 is a silicone-free gap filler material with low compression force. This makes Thermipad® TP 22832 ideal for applications where sensitive components need to be protected from mechanical stress. Thermipad TP 22832 is suitable for applications where materials containing silicone must be avoided - for example in optical or sensitive electronic systems.

Properties:

Thermipad® TP 22832 is a silicone-free gap filler material with very low thermal resistance. Thermipad® TP 22832 is particularly suitable for sensitive electronics and optical systems where only minimal pressure may be exerted on components. TP 22832 complies with flame retardancy class UL94 V-0.

Applications:

Thermipad TP 22832 is used in the technology areas of datacom systems, automotive electronics, telecommunication systems and optical modules

Colour:

Light grey

Forms of delivery:

Thermipad TP 22832 is available in thicknesses from 0.5 mm up to 4 mm in 0.5 mm increments as standard. Cuts and shapes according to customer specifications are possible.

Storage conditions:

Thermipad® TP 22832 should be stored at room temperature in dry rooms.

Precision components
made of flexible and rigid materials

Thermipad® TP 22832

Propety	Test-method	Unit	Value
Color	/	/	Light grey
Tickness Range	/	mm	0,5 bis 4 +/- 10%
Thermal Conductivity	Hot Disk	W/mK	4,0
Hardness	ASTM D2240	(shore 00)	40
Operating Temperature	/	°C	- 65 bis + 150
Density	Helium-Pyknometer	g/cc	3,1
Thermal Resistance (℃ in2/w) 1.5mm, 30 PSI	ASTM D5470	℃ in2/w	0,070
Dielectric Breakdown Voltage	ASTM D149	KV/mm	7,5
Volume Resistivity	ASTM D257		6 x 10^13

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

Please note: The information in this technical data sheet is based on our current knowledge and experience. Due to the wide range of possible influences during application, it does not exempt the processor and user from carrying out their own tests and trials. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from our information. Depending on the individual case, we recommend consulting us. The recipient of our products is responsible for observing any industrial property rights and existing laws.

Zeppelinring 18 | D-26197 Ahlhorn | Tel.: +49 (0) 4435 97 10 10 | Fax: +49 (0) 4435 97 10 11
info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Seat of the company: Ahlhorn
Managing Director: Dr. Michael Müller | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093
St.-Nr.: 68/207/07677 | Certified according to ISO 9001:2015 and ISO 14001:2015
UL recognised repacker E341377

- Production and distribution of electrical insulation materials, thermally conductive products, seals and technical films
- Production of stamped parts, blanks and moulded parts
- Cutting/assembly of films and adhesive tapes
- CNC machining, laser cutting and water jet cutting