

Thermally conductive products

Thermicap® TT 24020

Description: Thermicap® TT 24020 is made of a mixture of very good thermally conductive ceramic and silicone.

Properties: Due to the high adaptability and flexibility of Thermicap® TT 24020 at unevenness of the surface, an extremely low total thermal transfer resistance is achieved. Thermicap® TT 24020 is used in applications with the highest technical requirements because of its very good thermal properties, such as very high thermal conductivity and very high dielectric strength. Thermicap® TT 24020 is a safe all-round insulation that can be applied quickly and cleanly.

Applications: Thermicap® TT 24020 is used for the thermal connection and electrical insulation of heat sources and heat sinks in heat sinks and housings, in power semiconductors and modules in power supplies, in electric drives, in telecommunications modules, in motor controls, in frequency converters and in UPS.

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Storage: Thermicap® TT 24020 should be stored in dry rooms at room temperature and in its original packaging.

Property	Test	Unit	Value	
			0.50 mm	0.80 mm
Hardness	ASTM D-2240	--	70±5	70±5
Tensile strength	ASTM D-412	Kgf/cm ²	16,5±5	20,5±5
Strain	ASTM D-412	%	281	335
Dielectric breakdown voltage	ASTM D-149	KV	≥4	≥4
Heat transmittance coefficient	ASTM D-5470	°C-in ² /W	0,5	0,5
Thermal conductivity	ASTM D-5470	W/mK	1,0	1,0
Specific gravity	ASTM D-792	--	1,7±0,1	1,7±0,1
Heat	EN344	°C	-40 to +200	-40 to +200
Volume Change	ASTM D-570	%	0,36	0,48
Flammability class	UL-94	--	V-0	V-0

Trademark information: Thermicap® 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.