Thermax® MOULDED PARTS

Technical specification

	Product	S	HR	HD
Classification Temperature (EN 1094-6)	°C	1100	1100	1150
Available Densities Following values valid at	kg/m³	500 – 850 600 kg/m³	500 – 850 600 kg/m³	1150 – 1250 1200 kg/m³
Thermal Conductivity (ASTM C201 – C182) bei 600 kg/m³	W/mK 200 °C 400 °C 600 °C	 0.20 0.21 0.22	 0.20 0.21 0.22	 0.31 0.32 0.33
Cold Compressive Strength (EN 826)	MPa	3.4	3.4	8.0
Modulus of Rupture (EN 12089 B)	MPa	2.2	2.2	5.5
Heat Shrinkage (EN 1094-6) at Classification Temperature / 12 h	%	< 2.0	< 2.0	< 2.0
Colour		golden	golden	golden

A patented process permits production of moulded Vermiculite parts in the most complicated geometric forms. After pressing the moulded parts feature a very smooth surface and extremely high edge strength and breaking strength.

Application fields:
Industrial furnace construction, Petrochemical industry, Steel and Aluminium industry, glass processing, household appliances, oil-, gas- and wood-fired boilers, electrical heaters.

(1) We are able to supply special formats and special thicknesses on request. We will be pleased to manufacture stampings, milled parts or cuttings according to your drawings.
(2) The classification temperature is not to be equated with the maximum application temperature, in particular when physical conditions such as tensile or pressure loads are involved. For applications as high-temperature insulation, lower temperatures must always be applied. In these cases, our Engineering department will offer assistance and support.
(3) Heat transmission calculations for this material can be requested from our Engineering department.

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Further information and advice on specific details of the products described can be obtained in writing from Techno-Physik Eng. GmbH (Germany). The TechnoPhysik Group is consistently running product development programmes and reserves the right to modify product specifications at any time without notice. The customer/user is thus always obliged to ensure that the material form Techno-Physik Eng. GmbH is suitable for his specific purposes. The specified values are average figures determined from current production and are intended only for information. Warranty claims cannot be derived from these figures. We recommend to test the material for your application.

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Techno-Physik Engineering GmbH
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