

Temporary Technical Data Sheet

S 4000[®] A

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replaces edition 09/15

... Hightech – Insulation Material

Product Specification

The High-tech Quality S 4000[®] A is an special designed exterior insulation with a high insulation capability. The innovative combination of a high insulating core with a mechanical stress resistant surface gives the S 4000[®] A its outstanding characteristics.

Special Material Characteristics

- **very high continuous usage temperature**
- **excellent insulation effect**
- **high shock and impact resistance**
- **low specific weight**

Range of Applications

The High-tech Quality S 4000[®] A is suitable as exterior insulation for tools, moulds and machines with a surface temperature up to 230°C.

The excellent insulation capability allows the use of thin thicknesses. Thus, also by a limited constructed space it is possible to achieve high energy saving effects.

The High-tech Quality S 4000[®] A shows a high resistance against impacts and shocks which could occur by the handling of tools and moulds.

Technical Data*:

Max. service temperature		
• long-term	230	°C
• short-term	250	°C
Compressive strength (EN ISO 604)		
• at ambient temperature	120	N/mm ²
• at 200 °C	14	N/mm ²
by 40 % deformation		
Coefficient of thermal conductivity		
• at ambient temperature	0.08	W/mK
• at 200 °C	0.09	W/mK
(DIN 52 612)		
Linear coefficient (DIN 53 752)		
X- and Y-direction	16·10 ⁻⁶	1/K
Z-direction	190·10 ⁻⁶	1/K
Water absorption / 24 h		
(DIN 53 495)	0.1	%
Density	1	g/cm ³

*) Further technical details and machining recommendations upon request



Delivery information:

Standard thickness: 7; 9; 11; 15; 20 mm
Thickness tolerance: +/- 1 mm

Specifications are subject to alteration due to technical development. The standard values given in this data sheet are not part of any contract.