Technical Data Sheet

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S 4000® *A*

… Hightech – Insulation Material

Product Specification

S 4000® *A* is an innovative high tech insulation material. A special insulating core in combination with a mechanical stress resistant surface gives S 4000® *A* its unique characteristics.

Special Material Characteristics

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

S 4000® *A* is suitable as outside insulation for tools, moulds, machines and heating platen covers 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.

Technical Data*:

Max. service temperature • long-term • short-term	 230 250	 °C °C
Compressive strength** • at ambient temperature • at 200 °C by 40 % deformation	 120 14	 N/mm² N/mm²
Coefficient of thermal conductivity • at ambient temperature • at 200 °C	 0.08 0.09	 W/mK W/mK
Linear coefficient X– and Y-direction Z-direction	 $16 \cdot 10^{-6}$ $190 \cdot 10^{-6}$	 1/K 1/K
Water absorption / 24 h	0.1	%
Density	1	g/cm³

*) Further technical details and machining recommendations upon request

**) Compressive stress at break. The possible specific compressive strength depends on the particular application.

Delivery information:

Standard thickness: 7; 9; 11; mm (+/- 1 mm)
4 mm (+ 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.

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