

	Value	Unit
Maximum service temperature	1,000	°C
	1,832	°F
Bulk density, dry	225	kg/m ³
	14	lb/ft ³
Compressive strength (EN ISO 29469)	2.6	MPa
	377	lb/in ²
Modulus of rupture (EN 12089)	1.4	MPa
	203	lb/in ²
Total porosity (EN 1094-4)	91	%
Permeability to gases (EN 993-4)	0.08	×10 ⁻¹³ m ²
Specific heat	0.84	kJ/(kg×K)
	0.20	BTU/(lb×°F)
Coefficient of reversible thermal expansion at 20 to 750°C (68 to 1,382°F)	5.5	×10 ⁻⁶ K ⁻¹
	3.1	×10 ⁻⁶ F ⁻¹
Tensile strength (EN 1607)	610	kPa
	88.47	lb/in ²
Dimension stability under specified temperature and humidity conditions (EN 1604) at 23°C – 90%RH – 48 hours	0.0	%
Thermal conductivity (EN 12667), λ _{200 average}	0.074	W/(m×K)
Chemical analysis, typical		
Silica	SiO ₂	47 %
Ferric oxide	Fe ₂ O ₃	0.1 %
Alumina	Al ₂ O ₃	0.2 %
Magnesium oxide	MgO	0.4 %
Calcium oxide	CaO	42 %
Sodium oxide	Na ₂ O	0.1 %
Potassium oxide	K ₂ O	0.1 %
Loss on ignition at 1,025°C (1,877°F)	LOI	9 %
Non-combustibility tests (EN 13501-1 + A1)	Class A1	
HS Tariff number (Harmonized Commodity Description and Coding System)	6806.90.00	
Colour	Grey	

Data are average results of tests conducted under standard procedures and are subject to variation. Data contained in this data sheet are supplied in good faith as a technical service and are subject to change without notice. Misprint and errors excepted. Revision number: 7.12.2023

Skamol Group

Hasselager Centervej 1, 8260 Viby, Denmark
Tel.: +45 97 72 15 33

www.skamol.com



Size	Length	Width	Thickness
Maximum	2,440mm	1,220mm	105mm
Minimum	According to your specification	According to your specification	20mm
Standard tolerances*	Up to ± 2.5 mm	Up to ± 2.5 mm	Up to ± 1.5 mm
Machined tolerances*	Up to ± 2.5 mm	Up to ± 2.5 mm	Up to ± 1.0 mm

*Dimensional tolerances depend on length and width

General information

Not all size combinations are available for ordering.
Contact Skamol for the tolerance for a specific size.

Standard sizes

Check your Skamol price list or contact Skamol with your request.

Machining

Special shapes machined to customer specification can be supplied for specific design requirements.

Packaging

Products will be packed according to the Skamol standard.



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