

	Value	Unit
Maximum service temperature	1,100 2,012	°C °F
Bulk density	245 15	kg/m ³ lb/ft ³
Compressive strength – CCS (EN ISO 29469)	2.7 392	MPa lb/in ²
Modulus of rupture (EN 12089)	1.3 188.5	MPa lb/in ²
Linear reheat shrinkage (EN 1094-6) after 12 hours at 1,050°C (1,922°F)	1.5	%
Total porosity (EN 1094-4)	90	%
Creep in compression (EN 993-9) after 50 hours at 800°C (1,472°F), load 0.1 MPa (14.5lb/in ²)	0.4	%
Coefficient of reversible thermal expansion at 20°C to 750°C (68°F to 1,382°F)	5.5 3.1	×10 ⁻⁶ K ⁻¹ ×10 ⁻⁶ °F ⁻¹

Thermal conductivity (ASTM C-182)	Mean temperature		
	200°C	0.08	W/(m×K)
	400°C	0.10	W/(m×K)
	600°C	0.12	W/(m×K)
	800°C	0.14	W/(m×K)
	392°F	0.55	BTU/(ft ² ×h×°F/in)
	752°F	0.69	BTU/(ft ² ×h×°F/in)
	1,112°F	0.83	BTU/(ft ² ×h×°F/in)
	1,472°F	0.97	BTU/(ft ² ×h×°F/in)

Chemical analysis			
Silica	SiO ₂	47	%
Alumina	Al ₂ O ₃	0.3	%
Ferric oxide	Fe ₂ O ₃	0.3	%
Magnesium oxide	MgO	0.6	%
Calcium oxide	CaO	43	%
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	8	%

Non-combustibility test: (EN 13501-1 + A1)	Class A2-s1,d0	
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: 1.7.2025

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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Skamol by Etex

Hasselager Centervej 1, 8260 Viby, Denmark

Tel.: +45 97 72 15 33

www.skamol.com