

	Value	Unit
Maximum service temperature	1,000	°C
	1,832	°F
Bulk density	225	kg/m <sup>3</sup>
	14	lb/ft <sup>3</sup>
Compressive strength – CCS (EN ISO 29469)	2.6	MPa
	377	lb/in <sup>2</sup>
Modulus of rupture (EN 12089)	1.3	MPa
	189	lb/in <sup>2</sup>
Linear reheat shrinkage (EN 1094-6) after 12 hours at 950°C (1,742°F)	1.0	%
Total porosity (EN 1094-4)	91	%
Creep in compression (EN 993-9) after 50 hours at 800°C (1,472°F), load 0.1 MPa (14.5lb/in <sup>2</sup> )	3.3	%
Coefficient of reversible thermal expansion at 20°C to 750°C (68°F to 1,382°F)	5.5	×10 <sup>-6</sup> K <sup>-1</sup>
	3.1	×10 <sup>-6</sup> F <sup>-1</sup>

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 <sup>2</sup> ×h×°F/in)
	752°F	0.69	BTU/(ft <sup>2</sup> ×h×°F/in)
	1,112°F	0.83	BTU/(ft <sup>2</sup> ×h×°F/in)
	1,472°F	0.97	BTU/(ft <sup>2</sup> ×h×°F/in)

Chemical analysis			
Silica	SiO <sub>2</sub>	47	%
Alumina	Al <sub>2</sub> O <sub>3</sub>	0.2	%
Ferric oxide	Fe <sub>2</sub> O <sub>3</sub>	0.1	%
Magnesium oxide	MgO	0.4	%
Calcium oxide	CaO	42	%
Sodium oxide	Na <sub>2</sub> O	0.1	%
Potassium oxide	K <sub>2</sub> O	0.1	%
Loss on ignition at 1,025°C (1,877°F)	LOI	9	%

Non-combustibility tests (EN 13501-1 + A1)	Class A2-s1,d0
HS Tariff number (Harmonized Commodity Description and Coding System)	6806.90.00
Colour	Grey

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