

	Value	Unit
Maximum service temperature	1,100	°C
	2,012	°F
Bulk density	1,200	kg/m <sup>3</sup>
	75	lb/ft <sup>3</sup>
Cold crushing strength (EN ISO 8895)	9.5	MPa
	1,378	lb/in <sup>2</sup>
Modulus of rupture (EN 12089)	2.5	MPa
	363	lb/in <sup>2</sup>
Linear reheat shrinkage (EN 1094-6) after 12 hours at 1,000°C (1,832°F)	1.0	%
Total porosity (EN 1094-4)	56	%
Coefficient of reversible thermal expansion at 20°C to 750°C (68°F to 1,382°F)	10.0	×10 <sup>-6</sup> K <sup>-1</sup>
	5.6	×10 <sup>-6</sup> °F <sup>-1</sup>
Resistance to thermal shock (EN 993-11)	> 30	Cycles

Thermal conductivity (ASTM C-182)	Mean temperature		
	200°C	0.25	W/(m×K)
	400°C	0.27	W/(m×K)
	600°C	0.29	W/(m×K)
	800°C	0.30	W/(m×K)
	392°F	1.73	BTU/(ft <sup>2</sup> ×h×°F/in)
	752°F	1.87	BTU/(ft <sup>2</sup> ×h×°F/in)
	1,112°F	2.01	BTU/(ft <sup>2</sup> ×h×°F/in)
	1,472°F	2.08	BTU/(ft <sup>2</sup> ×h×°F/in)

Chemical analysis			
Silica	SiO <sub>2</sub>	52	%
Titanium dioxide	TiO <sub>2</sub>	1.6	%
Ferric oxide	Fe <sub>2</sub> O <sub>3</sub>	3.8	%
Alumina	Al <sub>2</sub> O <sub>3</sub>	23.0	%
Magnesium oxide	MgO	8.9	%
Calcium oxide	CaO	1.5	%
Sodium oxide	Na <sub>2</sub> O	0.2	%
Potassium oxide	K <sub>2</sub> O	5.6	%
Loss on ignition at 1,025°C (1,877°F)	LOI	3.0	%

HS Tariff number (Harmonized Commodity Description and Coding System)	6806.90.00
Colour	Sand

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Size	Length	Width	Thickness
Maximum	1,260mm	1,000mm	80mm
Minimum	According to your specification	According to your specification	12mm
Standard tolerances*	Up to $\pm 4.0$ mm	Up to $\pm 2.5$ mm	Up to $\pm 1.0$ 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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