

	Value	Unit
Maximum service temperature	1,100 2,012	°C °F
Bulk density	600 38	kg/m ³ lb/ft ³
Cold crushing strength (EN ISO 8895)	4.2 609	MPa lb/in ²
Modulus of rupture (EN 12089)	1.6 232	MPa lb/in ²
Linear reheat shrinkage (EN 1094-6) after 12 hours at 1,000°C (1,832°F)	1.0	%
Total porosity (EN 1094-4)	76	%
Coefficient of reversible thermal expansion at 20°C to 750°C (68°F to 1,382°F)	11.0 6.1	×10 ⁻⁶ K ⁻¹ ×10 ⁻⁶ °F ⁻¹
Resistance to thermal shock (EN 993-11)	> 30	Cycles

Thermal conductivity (ASTM C-182)	Mean temperature		
	200°C	0.16	W/(m×K)
	400°C	0.18	W/(m×K)
	600°C	0.20	W/(m×K)
	800°C	0.22	W/(m×K)
	392°F	1.11	BTU/(ft ² ×h×°F/in)
	752°F	1.25	BTU/(ft ² ×h×°F/in)
	1,112°F	1.39	BTU/(ft ² ×h×°F/in)
	1,472°F	1.53	BTU/(ft ² ×h×°F/in)

Chemical analysis			
Silica	SiO ₂	46	%
Titanium dioxide	TiO ₂	0.7	%
Ferric oxide	Fe ₂ O ₃	5.5	%
Alumina	Al ₂ O ₃	7.0	%
Magnesium oxide	MgO	19.0	%
Calcium oxide	CaO	3.5	%
Sodium oxide	Na ₂ O	0.2	%
Potassium oxide	K ₂ O	10.0	%
Loss on ignition at 1,025°C (1,877°F)	LOI	7.0	%

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	10mm
Standard tolerances*	Up to ± 4.0 mm	Up to ± 2.5 mm	Up to ± 1.0 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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