

	Value	Unit
Maximum service temperature	900	°C
	1,652	°F
Bulk density	350	kg/m <sup>3</sup>
	22	lb/ft <sup>3</sup>
Cold crushing strength (DS/EN ISO 8895_2006)	1.0	MPa
	145	lb/in <sup>2</sup>
Linear reheat shrinkage (EN 1094-6:1999) after 12 hours at 850°C (1,562°F)	1.0	%
Total porosity (EN 1094-4:1995)	84	%

Thermal conductivity (ASTM C-182)	Mean temperature		
	200°C	0.10	W/(m×K)
	400°C	0.12	W/(m×K)
	600°C	0.14	W/(m×K)
	800°C	0.15	W/(m×K)
	392°F	0.69	BTU/(ft <sup>2</sup> ×h×°F/in)
	752°F	0.83	BTU/(ft <sup>2</sup> ×h×°F/in)
	1,112°F	0.97	BTU/(ft <sup>2</sup> ×h×°F/in)
	1,472°F	1.04	BTU/(ft <sup>2</sup> ×h×°F/in)

Chemical analysis			
Silica	SiO <sub>2</sub>	86	%
Titanium dioxide	TiO <sub>2</sub>	0.3	%
Ferric oxide	Fe <sub>2</sub> O <sub>3</sub>	2.8	%
Alumina	Al <sub>2</sub> O <sub>3</sub>	6.1	%
Magnesium oxide	MgO	0.8	%
Calcium oxide	CaO	0.3	%
Sodium oxide	Na <sub>2</sub> O	0.2	%
Potassium oxide	K <sub>2</sub> O	1.3	%
Loss on ignition at 1,025°C (1,877°F)	LOI	0.7	%

HS Tariff number (Harmonized Commodity Description and Coding System)	6901.00.00	
Colour	Orange	

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Size	Length	Width	Thickness
Maximum			
Minimum	According to your specification	According to your specification	
Standard tolerances*			
Machined tolerances*			

\*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 Group

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

[www.skamol.com](http://www.skamol.com)