

Grade	Value	Unit
Maximum service temperature	1,000 1,832	°C °F
Bulk density, dry	225 14	kg/m <sup>3</sup> lbs/ft <sup>3</sup>
Cold crushing strength (DS/EN ISO 8895_2006)	2.8 406	MPa lbs/in <sup>2</sup>
Modulus of rupture (EN 993-6:1995)	1.4 203	MPa lbs/in <sup>2</sup>
Total porosity (EN 1094-4:1995)	91	%
Permeability to gases (EN 993-4:1995)	0.7	nPm
Specific heat	0.84 0.20	kJ/(kg×K) BTU/(lb×°F)
Coefficient of reversible thermal expansion @ 20 - 750°C (68 - 1,382°F)	5.5 3.1	×10 <sup>-6</sup> K <sup>-1</sup> ×10 <sup>-6</sup> °F <sup>-1</sup>
Tensile strength (EN 1607)	610 88.47	kPa lbs/in <sup>2</sup>
Dimension stability under specified temperature and humidity conditions (EN 1604) @ 23°C - 90%RH - 48 h	0.0	%

Chemical analysis, typical			
Silica	SiO <sub>2</sub>	47	%
Ferric oxide	Fe <sub>2</sub> O <sub>3</sub>	0.1	%
Alumina	Al <sub>2</sub> O <sub>3</sub>	0.2	%
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 @ 1,025°C (1,877°F)	LOI	9	%

Non-combustibility tests (EN 13501-1:2007 + A1:2009)	Class A1	
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.  
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