

	Value	Unit
Maximum service temperature	900	°C
	1,652	°F
Bulk density	550	kg/m <sup>3</sup>
	34	lb/ft <sup>3</sup>

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)
	392°F	1.11	BTU/(ft <sup>2</sup> ×h×°F/in)
	752°F	1.25	BTU/(ft <sup>2</sup> ×h×°F/in)
	1,112°F	1.39	BTU/(ft <sup>2</sup> ×h×°F/in)

Chemical analysis			
Silica	SiO <sub>2</sub>	71	%
Titanium dioxide	TiO <sub>2</sub>	1.4	%
Ferric oxide	Fe <sub>2</sub> O <sub>3</sub>	8.4	%
Alumina	Al <sub>2</sub> O <sub>3</sub>	10.5	%
Magnesium oxide	MgO	1.6	%
Calcium oxide	CaO	2.5	%
Sodium oxide + Potassium oxide	Na <sub>2</sub> O + K <sub>2</sub> O	2.1	%
Other oxides		1.1	%
Loss on ignition at 1,025°C (1,877°F)	LOI	1.4	%

Sieve analysis – % by weight passing ISO sieves			
	2.0mm	99-100	%
	1.5mm	95-100	%
	Dust < 0.09mm	max. 3	%

General		
Bag size	20	kg
	44	lb
Quantity to set 1m <sup>2</sup> of bricks, depending on the brick size	3	kg
	6.6	lb

HS Tariff number (Harmonized Commodity Description and Coding System)	2512.00.00	
Colour	Red	

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. Revision number: 7.12.2023