



## DATA SHEET



Chemical Analysis	Range %	Typical %
Silicon (SiO <sub>2</sub> )	48 – 52	51
Aluminium ( Al <sub>2</sub> O <sub>3</sub> )	34 – 40	39
Calcium (CaO)	1.5 – 6.5	3
Potassium (K <sub>2</sub> O)	1.0 – 1.5	1.2
Iron (Fe <sub>2</sub> O <sub>3</sub> )	1.3 – 1.8	1.5
Titanium (TiO <sub>2</sub> )	1.1 – 1.3	1.3
Magnesium (MgO)	0.5 – 0.7	0.6
Phosphorous (P <sub>2</sub> O <sub>5</sub> )	0.2 – 0.4	0.2
Sodium (Na <sub>2</sub> O)	0.2 – 0.4	0.3
Chrome (Cr <sub>2</sub> O <sub>3</sub> )	0.01 – 0.06	0.03
Manganese (MnO)	0.01 – 0.02	0.01
L.O.I	0.8 -2.9	2.0

Physical Properties	
Particle size range	10 – 300 µm
% Particles < 300 µm	100%
D50	100 µm
Specific Gravity	0.70 – 0.85 g.cm <sup>-3</sup>
Loose Bulk Density	400 kg.m <sup>-3</sup>
Hardness	5 – 6 mohs
Compressive Strength	150 – 180 kg.cm <sup>-2</sup>
Shape	Spherical
Colour	White
Shell Thickness	<sup>1</sup> /10 <sup>d</sup> , nominal
Melting Point	1250 °C
Thermal Conductivity	0,11 W.m <sup>1</sup> K <sup>-1</sup>
pH in water	7.0 – 8.0
Moisture Content	0.5% max
Sinkers	< 5% (by Vol)

The above tables are compiled from regular product analysis. 'Typical' values are the average of the last 12 months test results.

**Issued Date: January 2024**