



DATA SHEET



Chemical Analysis	Range %	Typical %
Silicon (SiO ₂)	48 - 52	51
Aluminium (Al ₂ O ₃)	40 - 42	41
Calcium (CaO)	2.1 – 2.9	2.5
Potassium (K ₂ O)	1.0 – 1.2	1.1
Iron (Fe ₂ O ₃)	1.1 – 1.3	1.2
Titanium (TiO ₂)	1.0 -1.2	1.1
Magnesium (MgO)	0.3 – 0.5	0.4
Phosphorous (P ₂ O ₅)	0.2 – 0.4	0.3
Sodium (Na ₂ O)	0.2 – 0.4	0.3
Chrome (Cr ₂ O ₃)	0.01 – 0.02	0.01
Manganese (MnO)	0.01 – 0.02	0.01
L.O.I	1.0 – 3.0	1.5

Physical Properties	
Particle size range	10 – 120 µm
% Particle < 90 µm	> 90 %
Specific Gravity	0.60 – 0.70 g.cm ⁻³
Loose Bulk Density	350 kg.m ⁻³
Hardness	5 – 6 mohs
Compressive Strength	150 – 180 kg.cm ⁻²
Shape	Spherical
Colour	White
Shell Thickness	¹ /10 ^d , nominal
Melting Point	1250 °C
Thermal Conductivity	0.11 W.m ⁻¹ K ⁻¹
pH in water	7.0 – 8.0
Moisture Content	0.2 % max
Sinkers	< 3 % (by Vol)

The above tables are compiled from regular product analysis. 'Typical' values are the average of the most recent test results.

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