

Properties and Types

Physical Properties	W300	W50
Colour	light grey	light grey
pH-Value	7.0 - 9.9	7.0 - 9.9
Wall Thickness (%)	10	10
Melting Point (°C)	1500 - 1600	1500 - 1600
Hardness Mohs	5 - 6	5 - 6
Compression Strength (MPa)	25	25
Specific Thermal Conductivity (W·m ⁻¹ ·K ⁻¹)	< 0.09	< 0.09
Thermal Expansion Coefficient (K ⁻¹)	8·10 ⁻⁶	8·10 ⁻⁶
Bulk Weight (g/L)	360 - 460	350 - 450
Bulk Volume (mL/kg)	2174 - 2778	2222 - 2857
Density (g/cm ³)	approx. 0.7	approx. 0.7
Particle Size (µm)		
d ₅₀	100 - 130	120 - 150
Range	10 - 300	10 - 500
Sinker (Vol. %)	0 - 5	0 - 5

Chemical Composition

SiO ₂ (wt. %)	56 - 58
Al ₂ O ₃ (wt. %)	34 - 37
Fe ₂ O ₃ (wt. %)	< 2
TiO ₂ (wt. %)	< 1.5