

Datasheet for Cenolite 300

Physical Properties

Particle size	<300 μm
Specific Gravity	0.68 – 0.72 g.ml^{-1}
Loose Bulk Density	350-420 kg.m^{-3}
Hardness	5-6 mohs
Compressive Strength	180-280 kg/cm^2
Shape	Spherical
Colour	Off-white
Shell Thickness	$^{1/10}d$, nominal
Melting Point	1250 $^{\circ}\text{C}$
Thermal Conductivity	0.11 $\text{Wm}^{-1}\text{K}^{-1}$
pH in water	7.0 – 8.0
Moisture Content	0.2 % max

Chemical Properties

Silicone (SiO_2)	53%
Aluminium (Al_2O_3)	38%
Calcium (CaO)	3.6%
Potassium (K_2O)	1.5%
Iron (Fe_2O_3)	1.3%
Titanium (TiO_2)	1.3%
Magnesium (MgO)	0.7%
Phosphorous (P_2O_5)	0.4%
Sodium (Na_2O)	0.1%
Manganese (Mn_2O_3)	0.1%