



### Cenolite C Perlite Microsphere

Cenolite C perlite microsphere, made from crude perlite, are natural amorphous siliceous glass bubbles containing a multi-cellular core with nonporous smooth surface. Cenolite is an excellent replacement for many expensive light weight fillers.

#### Capabilities



- >Cost effective
- >Fire resistance
- >Outstanding weight reduction
- >Superior thermal insulation
- >Noise absorption and insulation

#### Applications

##### Oil drilling

Oil Well cementing and low density mud

##### Refractory

Ladle Topping, hot topping and risering, refractory castables, foundry core, and molding sand

##### Light weight Aggregate construction

Bricks and tiles, tilt-up panels, cement sheet, plasterboard, ceiling tiles, wall blocks

##### Thermal/acoustic Insulation, fire resistance

high-build thermal insulation, roof deck insulation, underfloor insulation, insulation plasters/renders, fire doors, fire wall

#### Inquiry and Contact

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#### Physical Properties

Appearance	nonporous granules
Shape	irregular
Color	white
Melting point	1200 °C
Thermal conductivity	≤0.050 W/mK
Chemical resistance	insoluble in water
Floating ratio	≥90%
PH	6.5-8

#### Size Grades

	Bulk Density g/cc	Crush Strength Mpa /psi	Typical Size um Distribution		
			D10	D50	D90
C150	0.70	10/1500	120	150	200
C300	0.70	10/1500	120	200	300
C400	0.70	5/750	180	400	420
C1000	0.70	5/750	400	850	1000
C3000	0.70	5/750	850	1500	3000

#### Chemical Composition

SiO <sub>2</sub>	72.00
Al <sub>2</sub> O <sub>3</sub>	12.31
Fe <sub>2</sub> O <sub>3</sub>	0.54
FeO	0.80
TiO <sub>2</sub>	0.09
MnO	0.06
MgO	0.14
CaO	1.00
K <sub>2</sub> O	4.67
Na <sub>2</sub> O <sub>3</sub>	0.29
P <sub>2</sub> O <sub>5</sub>	0.04
Ig.Loss	4.94

#### Package and Storage

10kg, 15kg poly woven bag  
350kg, 380kg bulk bag