



INOTECK
сбережем энергию завтрашнего дня вместе

PRODUCT DATA SHEET

Ceramic microsphere

Ural (Russia) aluminosilicate microsphere (cenosphere). Hollow off white colour free flowing spheres. Typically produced as a byproduct of coal combustion at thermal power plants.

Physical Properties

Physical Properties (general)	
Particle Size	5-200 Microns
Avg. Particle Density	0.6-0.75 g/cm ³
Avg. Bulk Density	0.32-0.42 g/cm ³
Specific Gravity	0.4-0.7
Compressive Strength	2500-5000 psi
Hardness	Moh's scale 5-7
Melting Point	1600 - 1650°C
CTE	8 x 10 ⁻⁶ (°K)
Surface Moisture	0,5 % max
Sinkers	5% max
Wall Thickness	5%-10% Sphere Diameter
PH in water	6 - 7
Oil Absorbtion	16-18 g oil/100g



Chemical compound

Silica (SiO ₂)	58-68%
Alumina (AL ₂ O ₃)	32-38%
Iron (Fe ₃ O ₂), not more	1.4 - 2%
CaO, not more	0,9 - 1,8%
MgO, not more	1%
K ₂ O+Na ₂ O, not more	1,9%

Packing: Bulk Big Bags of 500, 550 or 600 kgs or as customer's reques - Strong Straps, No Leakage, No Liners, Wooden Pallet