



INOTECK
сбережем энергию завтрашнего дня вместе

PRODUCT DATA SHEET Cenosphere

Ural aluminosilicate microsphere. 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	0-500 (100-500) Microns
Avg. Particle Density	0.6-0.8 g/cc (42 lbs/ft ³)
Avg. Bulk Density	0.35-0.45 g/cc (24 lbs/ft ³)
Specific Gravity	0.45-0.75
Compressive Strength	2500-5000 psi
Hardness	Moh's scale 5-6
Melting Point	1600 - 1800°C
CTE	$8 \times 10^{-6} (^{\circ}\text{K})$
Surface Moisture	0,5 % max
Sinkers	3% max
Wall Thickness	5%-10% Sphere Diameter
PH in water	6 - 8
Oil Absorption	16-18 g oil/100g



Chemical compound

Silica (SiO ₂)	56-68%
Alumina (AL ₂ O ₃)	32-38%
Iron (Fe ₃ O ₂), not more	1.4 - 2%
CaO, not more	0,9 - 2,5%
MgO, not more	1%
K ₂ O+Na ₂ O, not more	1,5%

Packing: bulk big bags of 500 kgs - strong straps, no leakage, no liners, discharge spout on the underside of the big bag, wooden pallet or as customer's request.