



Technical Data Sheet

Hollow aluminosilicate cenospheres are today the most demanded component of fly ash from coal combustion for various applications. They are released by natural flotation from ash during the hydro removal of ash from TPPs to the storage site, accumulating on the surface of the water, from where they are collected for further processing. Cenospheres have a low density, spherical shape, high melting point, and inertness. They are excellent heat and sound insulators. They are used as a functional filler for polymers, plastics, concrete, etc.

Test Results

Sieve residue, um	%
500	0,00
400	1,00
250	8,00
160	23,0
100	39,00
Bottom	29,00

Specific gravity (true density):	0,68-0,77 (g/cc)
Color:	light grey
Moisture:	<0,1-0,4%
Floating Rate:	>95%

Chemical Composition

	min	max
SiO ₂	58,3	62,1
Al ₂ O ₃	27	30
Fe ₂ O ₃	2,0	2,8
CaO	1,5	3,2
MgO	0,1	0,3
K ₂ O	0,45	0,8
TiO ₂	1,7	2,3
Na ₂ O	0,48	0,64
MnO	0,1	0,2
P ₂ O ₅	0,46	0,68
BaO	0,05	0,08
SO ₃	0,99	1,2
V ₂ O ₅	0,01	0,02
Cr ₂ O ₃	0,01	0,02
NiO	0,01	0,03
LOI	0,5	1,2

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