

CAM-Spheres 500-HG Specification

Version 3.0 - June 2022

Product: Light grey alumino-silicate cenospheres

Chemical composition:

	Typical Value	Range
Al ₂ O ₃	34.5%	32 - 37%
SiO ₂	56.0%	54 - 60%
Fe ₂ O ₃	2.0%	1.5 - 3.5%
MnO	0.1%	0.1 - 0.5%
MgO	0.5%	0.5 - 1.0%
Na ₂ O	0.5%	0.3 - 1.0%
TiO ₂	1.1%	0.5 - 2.0%
CaO	1.2%	0.8 - 2.0%

Physical properties:

	Unit	Range
Bulk weight	g/cm ³	0.36 - 0.46
Specific gravity	g/cm ³	0.8 - 0.95
Sinkers	%	< 6
Melting point	°C	1450 - 1600
Moisture content	%	< 0.3
Color		light grey
pH		7.0 - 9.9
LOI	%	≤ 1.2

Particle size distribution:

Size in µm	Average, %	Maximum, up to %
> 750	0	0
500 - 750	0	3
300 - 500	5	25
150 - 300	45	70
63 - 150	35	60
< 63	15	20

Packaging:

- Big bags of 500kg with plastic liner, 2 bags stacked per pallet
- Paper bags of 20kg net, on pallets

The above values represent typical property values of the product and are accurate to the best of our knowledge.