

CAM-Spheres 300-HG-LD Specification

Version 1.0 - March 2025

Product: Light grey alumino-silicate cenospheres (Low Density)

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	0.34 - 0.44
True Density	g/cm ³	0.78 - 0.85
Crush resistance	% survivors @ 3000psi	≥ 70
Sinkers	%	≤ 6
Melting point	°C	1400 - 1500
Moisture content	%	≤ 0.3
Color		light grey
pH		7.0 - 9.9

Particle size distribution:

Size in µm	Average, %	Maximum, up to %
> 500	0	0
300 - 500	1	3
150 - 300	30	50
63 - 150	60	80
< 63	10	20

Packaging:

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