

CenoLite 8540

Oilfield Cementing Grade | 0-500 µm

TYPICAL PRODUCT DATA

Rev. 4.6 | Created 10.05.2016 | Revised 01.09.2026

MATERIAL INFORMATION

Generic Name	CenoLite 8540 (0-500 µm)	CAS No.	93924-19-7
Function	Oilfield Cementing	Manufacturer	SEPPE Technologies

DESCRIPTION

Cenosphere, hollow ceramic (aluminium-silicate) microsphere. Ashes residue(s), coal ash.

OILFIELD CEMENTING GRADE - QUALITY CONTROL PARAMETERS

Test Parameter	Test Method	Specification	Typical Value
Flotation Rate	Visual Inspection + Water Flotation	≥95%	98%
Bulk Density (Untapped Bulk Density)	ISO 23145-2:2012 Constant-Volume Method	0.30-0.45 g/cm³	0.38 g/cm³
True Density (Skeleton Density)	ISO 12154:2014 Gas Displacement Pycnometry	0.75-0.90 g/cm³	0.82 g/cm³
Particle Size Distribution	U.S. Sieve Series	0-500 µm	See sieve table below
Moisture Content (Matter Volatile at 105°C)	ISO 787-2:2021	≤0.3%	0.2%
Chemical Composition X-Ray Fluorescence (XRF)	SiO ₂	50-60%	55%
	Al ₂ O ₃	25-40%	35%
	CaO	1-1.5%	1.2%

SIEVE ANALYSIS

U.S. sieve designations with nominal aperture sizes

U.S. Sieve	Nominal Aperture	Specification	Typical Value
+30M	500 µm	NIL	-
+60M	250 µm	0-20%	8%
+100M	150 µm	20-60%	45%
+150M	106 µm	50-75%	67%
+240M	63 µm	70-95%	92%
-240M	<63 µm	0-20%	8%

+ values are cumulative retained; -240M denotes material passing the 63 µm sieve.

PACKAGING & DELIVERY

- 600 kg jumbo bags - approximately 40 bags per 40' High Cube FCL (total ~24 MT)
- 40' High Cube container recommended due to low bulk density (0.30-0.45 g/cm³)
- Custom packaging available upon request
- 10-year shelf life when stored in dry conditions

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