

TECHNICAL DATA SHEET	SP Code:	Rev. no.: 4.5
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CENOSPHERE 8540	Created:	10.05.2016
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Material information

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

Description

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

Requirements

Properties	International test method	Specification Values	Typical Value
Appearance	Visual inspection	Gray white powder	Gray white Powder
Floating rate	Visual inspection	>95%	98%
Moisture content at 105°C (%)	ISO 787-2	≤ 0.3	0.2
Bulk Density (g/cm ³)	ISO 787-10	0.30-0.45	0.39
True Density (g/cm ³)	ISO 787-10	0.80-0.85	0.83
Chemical properties, shell (%)	XRF	SiO ₂ = 50-60 Al ₂ O ₃ = 25-40 CaO = 1-1.5	SiO ₂ = 55.3 Al ₂ O ₃ = 37.6 CaO = 1.1
Chemical properties, gas (%)	XRF	CO ₂ = 70 N ₂ = 30	-

SIEVE ANALYSIS

Grit Size	Specification Values	Typical Value
+30M (500µm)	NIL	0
+60M (250µm)	0-20%	8%
+100M (150µm)	20-60%	45%
+150M (106µm)	50-75%	67%
+240M (63µm)	70-95%	92%
-240M	0-20%	8%

Package

600KG Big Jumbo Bag.

Storage conditions

Store under dry conditions.

Shelf life / expire date

10 years.

Dept.: SEP Tech	Tech. Coordinator: Wang Te	Approved by: Geng Heng
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