



TECHNICAL SPECIFICATION CENOSPHERE GRADE – VA-LD-300

Typical Properties of CENOSPHERE

SiO ₂	52 – 62%
Al ₂ O ₃	32 – 36%
K ₂ O	1.2 – 3.2%
Fe ₂ O ₃	1-2%
TiO ₂	0.8 – 1.3%
MgO	1-2.5%
Na ₂ O	0.2 - 0.6%
CAO	0.1 – 0.5%

Physical Properties CENOSPHERE

Specific Gravity (g/cc)	0.75 – 0.85
Bulk Density (Kg/M ³)	350 – 450
Hardness (Moh's)	5 – 6
Compressive Streghth	180 – 280 Kgs/Cm ² (2500 – 3000 PSI)
Shape	Spherical
Color	Light Grey – Light Buff
Melting Point	1200 -1350 °C
PH in Water	6 - 7
Moisture	0.5% Max.
Sinkers	7% Max.
Oil Absorption	16-18 G/100G
Packing Factor	60 – 65 %
Wall Thickness	5 – 10% of Shell Diameter
Thermal Conductivity	0.11 WM-1K-1
Loss On Ignition	2% Max.

SIEVE ANALYSIS of CENOSPHERE VA-LD-300

MORE/LESS	B.S.S. (410/1969)	MICRONS	PERCENTAGE %
More Than	52	300	0-1%
More Than	100	150	20-70%
More Than	150	106	50-80%
More Than	240	63	75-95%
Less Than	240	63	0-20%