



Cenospheres

Chemical Analysis (All Grades)

SiO ₂	52 - 62%	TiO ₂	0.8 - 1.3%
Al ₂ O ₃	30 - 36%	MGO	1.0 - 2.5%
CAO	0.1 - 0.5%	NA ₂ O	0.2 - 0.6%
K ₂ O	1.2 - 3.2%	CO ₂	70%
FE ₂ O ₃	1.0 - 3.0%	Nitrogen	30%

Physical Analysis (All Grades)

Specific Gravity	0.70 - 0.8 G/CC	Melting Point	1200 - 1300 °C
Bulk Density	400 - 450 KGS/CBM	Thermal Conductivity	0.11 WM-1K-1
Hardness (MOH)	5 - 6	PH in Water	6 - 7
Compressive Strength	180 - 280 KGS/CBM	Moisture	0.5% Max
Shape	Spherical	Loss on Ignition	2% Max
Packing Factor	60 - 65%	Sinkers	3%
Wall Thickness	5 - 10% of shell Diameter	Oil Absorption	16 - 18 G/100G
Colour	Light Grey, Light Buff		

Sieve Analysis

Grade	APC30	APC60	APC85	APC100	APC120	APC30-150
+30 # (500 Micron)	0 - 1%	NIL	NIL	NIL	NIL	0 - 1%
+60 # (250 Micron)	10 - 35%	0 - 1%	NIL	NIL	NIL	10 - 35%
+100 # (150 Micron)	40 - 80%	20 - 70%	1% Max	NIL	NIL	40 - 80%
+150 # (106 Micron)	70 - 90%	50 - 80%	0 - 30%	0 - 5 %	0 - 10%	70 - 90%
+240 # (63 Micron)	85 - 95%	75 - 95%	20 - 70%	35 - 75%	70 - 95%	85 - 95%
-240 #	0 - 10%	0 - 20%	0 - 20%	0 - 20%	0 - 30%	0 - 10%