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Industrial Grade

ETS Lite™ Engineered Cenosphere Specifications

SPECIFICATION	ETS Premium UltraLite™ <i>High Crush Resistance</i>	ETS Standard Lite™ <i>High Crush Resistance</i>	ETS Standard Lite™
GRADE	Ultra-Low Density; High Crush Resistance	Low Density; High Crush Resistance	Low Density
HYDRAULIC CRUSH RESISTANCE <i>(% breakage at 3000 psi for 15 mins, wt %)</i>	30% max	40% max	N/A
PHYSICAL PROPERTIES:	Min - Max	Min - Max	Min - Max
Appearance	Gray Powder	Gray Powder	Gray Powder
Specific Gravity	0.69 - 0.73	0.74 - 0.85	0.74 - 0.85
Sinkers (wt %)	1.0 (max)	5.0 (max)	5.0 (max)
Moisture (wt %)	0.5 (max)	0.5 (max)	0.5 (max)
CHEMICAL COMPOSITION:	Min - Max	Min - Max	Min - Max
SiO ₂ (wt %)	50 - 60	50 - 60	50 - 60
Al ₂ O ₃ (wt %)	30 - 40	30 - 40	30 - 40
Fe ₂ O ₃ (wt %)	2 - 6	2 - 6	2 - 6
CaO (wt %)	1 - 4	1 - 4	1 - 4
MgO (wt %)	1 - 2	1 - 2	1 - 2
TiO ₂ (wt %)	0.5 - 3	0.5 - 3	0.5 - 3
Na ₂ O, K ₂ O (wt %)	1 - 4	1 - 4	1 - 4
SIEVE ANALYSIS:	Min - Max	Min - Max	Min - Max
Amt retained on 50 Mesh screen (%)	0.0 - 15.0	0.0 - 15.0	0.0 - 15.0
Pass through 400 Mesh screen (%)	0.0 - 5.0	0.0 - 5.0	0.0 - 5.0
PACKAGING:	Jumbo Bags (500 kgs) with liner; palletized (CP9 or per buyer's request), fumigated or per buyer's request, strapped & shrink wrapped or per buyers request		

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