



25 Storey Ave. / Suite 133  
 Newburyport, MA, 01950  
 978-465-2705  
 rfoster@cenostar.com  
 www.CenoStar.com

## Cenosphere Product Matrix

Series	Grade	Top Particle Size (um)	Bulk Density (g/cc)	True Density (g/cc)	Crush Strength (psi) 90% survival	Color (Hunter Scale)	% Alumina (AL <sub>2</sub> O <sub>3</sub> )
EconoStar	ES-200/600	200-600	0.32-0.45	0.85 – 0.95	1600-3200	Med. Gray	22.0-30.0
	ES-200/1200	200-600	0.32-0.45	0.85 – 0.95	1600-3200	Lt. to Med. Gray	22.0-30.0
	ES-106 RM3	< 106	0.32-0.45	0.85 – 0.95	1600-3200	Lt. to Med.Gray	22.0-30.0
	ES-300 RM3	< 300	0.32-0.45	0.85 – 0.95	1600-3200	Lt. to Med.Gray	22.0-30.0
	ES-500 RM3	< 500	0.32-0.45	0.85 – 0.95	1600-3200	Lt. to Med.Gray	22.0-30.0
High Alumina	HAL-106	< 106	0.32-0.45	0.85 – 0.95	1600-3200	Light Gray	32.0-40.0
	HAL-300	< 300	0.32-0.45	0.85 – 0.95	1600-3200	Med. Gray	32.0-40.0
	HAL-500	< 500	0.32-0.45	0.85 – 0.95	1600-3200	Med. Gray	32.0-40.0
KZ	KZ-106	< 106	0.32-0.44	0.85 – 0.95	1600-3200	Light Gray	28.0-34.0
	KZ-300	< 300	0.32-0.44	0.85 – 0.95	1600-3200	Light Gray	28.0-34.0
	KZ-500	< 500	0.32-0.44	0.85 – 0.95	1600-3200	Light Gray	28.0-34.0
WhiteStar	KZ-106 Wh	< 106	0.32-0.44	0.85 – 0.95	1600-3200	Near White 68-70	28.0-34.0
	KZ-300 Wh	< 300	0.32-0.44	0.85 – 0.95	1600-3200	Near White 68-70	28.0-34.0
	KZ-500 Wh	< 500	0.32-0.44	0.85 – 0.95	1600-3200	Near White 68-70	28.0-34.0

Above are Cenostar's standard grades displaying typical properties. Cenostar can provide alternative grades with altered properties of any spec requested. Cenostar sources directly from multiple powerplants that allows us to acquire an assortment of grades. This direct relationship with the source gives Cenostar the ability to offer customers the same product from the same source, every shipment. The information herein is accurate to the best of Cenostar's knowledge. Before using, user should test properties and user assumes the risk and liability in connection therewith.

**Disclaimer.** All information to be used as reference only.