

Color, Hunter Whiteness Index

Particle Distribution, microns

Physical Form

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

99% (< 3% over)

10% - 25%

10% - 30%

18% - 30%

5% - 20%

## **EconoStar 500 Cenospheres**

## Typical Properties of ES500 Cenospheres

< 500,

150 - 499,

105 - 149,

75 - 104,

45 – 74,

Free Flowing Powder

Medium Gray, Hw 45 - 55

CenoStar ES500 Grade cenospheres are low density, fine particle size, hollow ceramic spheres. Typically they are used to reduce density, reduce VOC levels, increase filler loadings, and improve viscosity in formulations

CenoStar ES exhibit excel durability ar stability.

Because of unit volume cenospheres effectively for blending wit products.

a variety of		< 44 2% - 10%
ns.	Bulk Density	0.32 - 0.45 g/cc
SS500 cenospheres ellent processing and temperature  the low cost per e, CenoStar ES500 es can be used for replacing or ith higher cost	True Density	<0.85 – 0.95 g/cc +/- 2.5%
	Compressive Strength	90% survival @ 3200psi
	Sinkers	<6%
	Softening Point	1040° C +/- 5%
	Melting Point	1200 - 1400° C
	Hardness, Moh's Scale	5 – 6
	Dielectric Constant	1.8 - 1.9
	Composition, %wt	Silica       50.0 - 60.0         Alumina       22.0- 30.0         Iron       1.5 - 5.0
	Thermal Conductivity	0.1 - 0.2 W/mK
	Oil Absorption	16-18 g oil / 100cc

## Packaging:

CenoStar ES500 Cenospheres are supplied in 20kg (44lb) multi-wall paper bags or 500kg big bags.

## **Safety Information:**

In dusty areas, the use of a NIOSH approved respirator is recommended. Material Safety Data Sheets (MSDS) are available upon request

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