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EconoStar 500/86 Cenospheres

Typical Properties of ES500/86 Cenospheres

CenoStar **ES500/86** 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 a variety of formulations.

CenoStar ES500/86 cenospheres exhibit excellent processing durability and temperature stability.

Because of the low cost per unit volume, CenoStar ES500/86 cenospheres can be used effectively for replacing or blending with higher cost products.

Physical Form	Free Flowing Powder
Color, Hunter Whiteness Index	Light Gray,
Particle Size Range, microns	10 – 500
Particle Distribution, microns	< 500, (< 3% over)
Bulk Density	0.32 - .45 g/cc
True Density	<0.86 g/cc
Compressive Strength	70% (±5%) survival @ 3000psi
Sinkers	<6%
Softening Point	1040° C
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

Packaging:

CenoStar ES500/86 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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