



EconoStar 300/600 Cenospheres

Typical Properties of ES300/600 Cenospheres

CenoStar **ES300/600** 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 ES300/600 cenospheres exhibit excellent processing durability and temperature stability.

Because of the low cost per unit volume, CenoStar ES300/600 cenospheres can be used effectively for replacing or blending with higher cost products.

Physical Form	Free Flowing Powder
Color, Hunter Whiteness Index	Light Gray, Hw 45 - 55
Particle Size Range, microns	300/600
Mean Particle Diameter, microns	450
Bulk Density	0.35 g/cc
True Density	<0.95 g/cc
Compressive Strength	90% survival @ 2900psi
Softening Point	1040° C
Melting Point	1200 - 1400° C
Hardness, Moh's Scale	5 - 6
Dielectric Constant	1.8 - 1.9
Composition, %wt	Alumina 35.0 Silica 60.0 Iron 1.5 - 4.0
Thermal Conductivity	0.1 - 0.2 W/mK

Packaging:

CenoStar ES300/600 Cenospheres are supplied in 18kg (40lb) 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

CenoStar Corporation

Suite #133
25 Storey Avenue
Newburyport, MA 01950
USA
978-465-2705

Notice to Purchaser: The information in this publication is based on tests that we believe are reliable. Your results may vary due to differences in test types and conditions. You must evaluate and determine whether the product is suitable for your intended application. Since conditions of product use are outside of our control and may vary widely, the following is made in lieu of all express or implied warranties (including the warranties of merchantability or fitness for a particular purpose). CenoStar's only obligation and your only remedy is replacement of product that is shown to be defective when you receive it. In no case will CenoStar be liable for any special, incidental, or consequential damages based on breach of warranty or contract, negligence, strict tort, or any other theory.