



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

C-25 Glass Bubble Microspheres

Typical Properties of C-25 Microspheres

CenoStar **C-25** Grade Microspheres are high performance hollow soda lime borosilicate glass bubbles. They are ultra-light inorganic, non-metallic, extremely low-density functional filler that enhance final product properties. These hydrophobic spheres have a wide range of formulations.

CenoStar **C-25** Microspheres present the following advantages: high filler loading, lower viscosity, reduce shrinking & wrapping, highly adaptable to manufacturing processes, cost effective per unit value, chemical stability, thermal/acoustic insulation, sandability

Appearance, color	White
Particle Size Range, microns by volume	10 - 125 μm
10%	30 μm
50%	60 μm
90%	100 μm
d50	$\sim 66 \mu\text{m}$
Floating ratio	$\sim 97\%$
True Density (g/cm^3)	0.25
Bulk Density (g/cm^3)	0.15
Compressive Strength	90% survival @ 725psi / 5MPa
Softening Point	625 $^{\circ}\text{C}$
Oil absorption (g/cm^3)	0.2-0.65
pH value	8-9.5
Silica Content Silica SiO_2 (%)	68-75
Aluminum Oxide Al_2O_3 (%)	2-3
Thermal Conductivity ($\text{W}/\text{m}^{\circ}\text{K}$ @18 $^{\circ}\text{C}$)	0.0512 $\text{W}/\text{m}^{\circ}\text{K}$

Applications include:

- Paints and Coatings,
- Syntactic Foam
- Cosmetics
- Resin Systems
- Buoyancy
- Explosives
- Automotive
- Building Products

Packaging:

CenoStar **C-25** Microspheres are supplied in plastic bags placed in cardboard boxes

Safety Information:

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

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 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 information is made available with no expressed or implied warranties (including the warranties of merchantability or fitness for a particular purpose). CenoStar Corporation's only obligation, and your only remedy, is replacement of product if shown to be defective when received. In no case will CenoStar Corporation be liable for any special, incidental, or consequential damages based on breach of warranty or contract, negligence, strict tort, or any other theory.