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C-20 Glass Bubble Microspheres

Typical Properties of C-20 Microspheres

CenoStar **C-20** 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-20** 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	2 - 120 µm
10%	32 µm
50%	68 µm
90%	106 µm
d50	~ 70 µm
Floating ratio	~95%
True Density (g/cm ³)	0.18-0.22
Bulk Density (g/cm ³)	0.13
Compressive Strength	90% survival @ 550psi / 4MPa
Softening Point	625°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 ₂ O ₃ (%)	2-3
Thermal Conductivity (W/m "k"@18°C)	0.0503 W/m k

Applications include:

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

Packaging:

CenoStar **C-20** Microspheres are supplied in plastic bags placed in cardboard boxes.
 Box Size: 15kg (50x50x50cm)
 Big Bag: 300kg (89x89x220cm)

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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