



Solospheres® S-45 Solid Spheres

Sphere One Solospheres® are semi-solid ceramic microspheres. They are an excellent choice for applications requiring high strength, high temperature, and corrosion resistance. Solospheres® spherical morphology are shear thinning in liquid applications allowing formulator to reduce the VOC's and increase filler loading. Solospheres® can easily disperse in a high intensity mixing or dispersion system in plastics.

Their unique nature makes them suitable for some applications such as;

- Corrosion and abrasion resistance
- Flame retardant, refractory castings
- Coatings, self-leveling cements, and many more applications.



Properties

Physical Form: Free-Flowing Powder

Appearance: Gray

Particle Size Distribution: 10-500 microns

Median Particle Size: 20 microns

Bulk Density: 1.00 g/cc

Density: 2.20 g/cc

Deformation Temperature: 1300° C

Compressive Strength: 10,000 psi



Packaging

Solospheres® S-45 is supplied in 50 pound multi-wall bags. Standard pallet includes 40 bags per pallet. Customized packaging is available upon request. Samples in sufficient quantity for testing are available upon request.

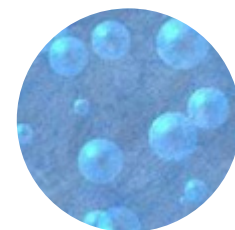


Safety Information

In areas where these hollow spheres create a dust, the use of a NIOSH-approved mask or respirator is recommended. Safety Data Sheet (SDS) will be supplied upon request.

Ceramics: Sphere One Solospheres® best dispersion can be achieved by adding the Solospheres with other aggregate during the mixing stage.

Plastics: Sphere One Solospheres® can easily disperse in a high intensity mixing or dispersion system in plastics. Solospheres® should be added early in the process to allow for maximum dispersion.



Contact us at: **800-252-0039**

or Visit: sphereone.net

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