



PM 6550 Hollow Spheres

PM 6550 is an extremely light and versatile hollow sphere. Its plastic composition results in a very low density product. Only a very small amount of this hollow sphere is needed to provide substantial volume filling in formulations. PM 6550 has excellent flexibility, and the walls of the hollow sphere can survive a variety of stress environments. PM 6550 offers good resistance to solvents. The oleophilic surface permits easy dispersion in organic fluids and resins, but also provides good wet-out in latex systems.

In choosing a hollow sphere for any application, the density and strength of the hollow sphere usually dictate a particular product. However, with ultra-low density and flexible walls, PM 6550 can be used to cover the whole range of applications where Sphere One hollow spheres would be incorporated. Plastic hollow spheres have found utility in such wide ranging applications as emulsion explosives, autobody putties, sealants and epoxy syntactic foams.

PM 6550 may be used in combination with other Sphere One hollow spheres in various applications.

TYPICAL PROPERTIES OF PM 6550 HOLLOW SPHERES

Physical Form	Free-Flowing Powder
Color	Off White
Bulk Density	0.05 g/cc
Mean Particle Size	100 Microns
Mean Particle Size Range	10-200 Microns
Density	0.030 g/cc
Deformation Temperature	140°C

For high-pressure, PVC plastisol spray, the use of ceramic hollow spheres with a small amount of PM 6550 provides synergistic effects. The flexible plastic hollow spheres act to cushion the rigid filler, providing stress relief, and results in better hollow sphere survivability.

PACKAGING

PM 6550 plastic hollow spheres are supplied in 24 kg. boxes from our plant in Chattanooga, TN.

Our technical staff will provide customized assistance in the proper handling of the product.

SAFETY INFORMATION

PM 6550 may cause respiratory and dermal irritation. In dusty environments, use of a NIOSH-approved mask or respirator is recommended. This material is not marketed for use with food contact. Material Safety Data Sheets (MSDS) will be supplied upon request.

FOR SALES, SAMPLES OR TECHNICAL SERVICE

Call 1-800-252-0039
1-423-629-7160
Fax 1-423-698-0614

Visit Sphere One, Inc at our website:
www.sphereone.net

The technical information presented herein represents the best information available to us and is believed to be reliable. Sphere One, Inc. makes no warranties, either expressed or implied, with respect to our materials, including the warranties of merchantability or fitness for any particular purpose. We urge that users of our materials conduct tests to determine suitability for their specific end uses.