

SPHERIGLASS®

SOLID GLASS SPHERES

How to use SPHERIGLASS® in Thermoplastic Resin Applications

Loadings:

Depending on the application, glass spheres are added at 10-30% loadings.

Strength:

The crush strength of SPHERIGLASS® solid glass spheres exceeds 30,000 psi, so they survive injection molding, as well as compounding equipment. SPHERICEL® hollow glass spheres, with a crush strength in excess of 10,000 psi, can be used in injection molding also.

Processing:

In thermoplastic applications, glass spheres are blended with resin during the compounding process. The preferred blending technique utilizes a co-rotating inter-meshing twin screw extruder, with minimal (20%-25%) intermesh. The spheres should be added downstream of the throat with a volumetric or gravimetric feeder.

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