

# Product Bulletin

## Macrospheres

**Michigan Fiberglass Sales, Inc.**  
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### Description:

Macrospheres are hollow composite spheres, white in color. They are lightweight, high strength, seamless bulk fillers, supplied in a loose, free flowing form. They are stable to 121 C / 205 F.

Macrospheres perform essentially the same functions as microspheres but on a vastly different dimensional scale. They can provide low density, thermal and acoustic insulation, and control of mechanical properties, as well as lower cost formulations. They resist high pressure and survive aggressive industrial processes.

Macrospheres are often used in conjunction with microspheres in syntactic hydrospace structures for buoyancy and, more recently, for insulation. They were originally developed as an evaporation control agent for volatile liquids. Other typical uses are tooling and in concrete structures to lessen weight.

### Typical Properties:

T Grade	True Particle Size range	True Density lb/cu ft (g/cc)	Strength Rating, psi/kPa (75% survivors, minimum at this pressure)
400	3/8"-5/8" (10mm - 16mm)	11-14 (0.18-0.22)	400/2760
900	3/8"-5/8" (10mm - 16mm)	15-18 (0.24-0.29)	900/6210
1300	3/8"-5/8" (10mm - 16mm)	19-22 (0.30-0.35)	1300/8970



**Important notice:** Since the use of this product is beyond the control of the seller, the buyer assumes all risks of the use or handling, whether in accordance with the directions or not, as seller makes no warranty, expressed or implied concerning this product.