



**FOR SALES, SAMPLES OR
TECHNICAL SERVICE**

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EXTENDOSPHERES™ HA-300 Hollow Spheres

The EXTENDOSPHERES™ HA series of products has been designed for refractory applications. It's high deformation temperature (>1600 C) is able to withstand the casting temperatures of both aluminum and steel processes. The high compression provides it with the necessary strength to survive most compounding methods. The most common use for these materials is casting reservoirs, refractory coatings, and grouts. If thermal shock is a problem, ask us about our P series of products.

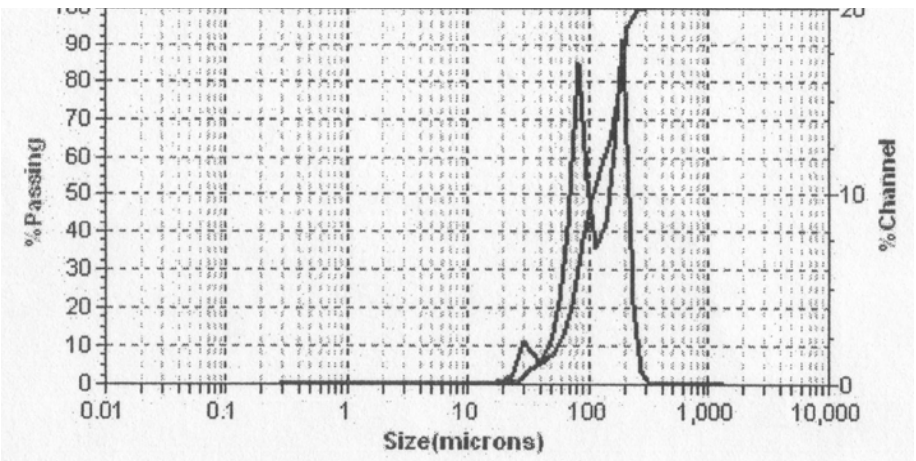
Extendspheres™ HA-300 has the broadest particle size distribution of the HA family. The increased particle size distribution makes the HA-300 the most reinforcing Extendspheres™ of the HA family. Applications include high temperature, caulks, adhesives, phenolic, silicone based plastics and gasket materials.

PACKAGING EXTENDOSPHERES™ HA-300 hollow spheres are supplied in 50 lb multi-wall bags, 40 bags per pallet. 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. Material Safety Data Sheet (MSDS) will be supplied upon request.

TYPICAL PROPERTIES OF EXTENDOSPHERES™ HA-300 CERAMIC HOLLOW SPHERES	
Physical Form	Free-Flowing Powder
Appearance	Gray
Particle Size HA-300	Microns 10-500
Mean Particle Size Range HA-300	Microns 146 +/- 10 microns
Bulk Density	<25 lb/cu ³
Density	0.68 +/- .05 g/cc
Deformation Temperature	>1600°C
Compressive Strength	<10% @ 2500 psi
Hardness, Moh's Scale	5



Microtrac 3500S

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