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TECHNICAL SERVICE**

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EXTENDOSPHERES™ HAT 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.

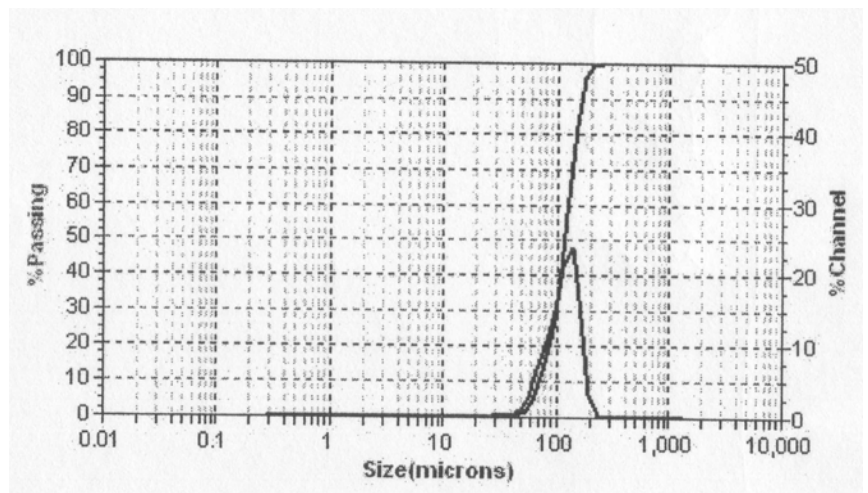
EXTENDOSPHERES™ HAT is commonly used in casting applications that require gas permeability. The larger sphere facilitates the easy diffusion of gases from the composite matrix.

PACKAGING EXTENDOSPHERES™ HAT 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™ HAT CERAMIC HOLLOW SPHERES	
Physical Form	Free-Flowing Powder
Appearance	Gray
Particle Size HAT	Microns 10-500
Mean Particle Size Range HAT	Microns 165 +/- 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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