



**Potters Industries Inc.**  
an affiliate of PQ Corporation

**ENGINEERED GLASS MATERIALS DIVISION**

**Hollow Microspheres**

## Q-Cel<sup>®</sup> 6019S Hollow Spheres

Q-Cel<sup>®</sup> hollow microspheres offer latitude in manufacturing low density products. These single cell hollow microspheres appear as a white free flowing powder. The spheres are hydrophobic in nature. And as a filler, the primary function is to reduce density, but can enhance other properties as well such as improved finishing characteristics, and better thermal shock resistance.

**Q-Cel<sup>®</sup> 6019S** hollow spheres are characterized by low density and reduced particle size. The spheres are free-flowing and oleophilic, thereby providing a great option for a filler for use where lower density is desired. They are intended for use in reactive resins, including thermosets, such as unsaturated polyesters, epoxies and urethanes, PVC plastisol, and other systems where low viscosity and low shear processing conditions are used.

In formulations, Q-Cel<sup>®</sup> 6019S hollow spheres have provided stable viscosity and density. They can replace heavy fillers, such as calcium carbonate, talc and ATH, and thus lower the weight of composite materials. Because hollow spheres have the lowest surface area of any filler type, less resin is used to incorporate them in the formulation, usually resulting in cost savings.

Q-Cel<sup>®</sup> 6019S hollow spheres are used as an extender in many different auto body putties where particle size distribution and product density are tailored for optimum use.

Typical Properties	
Physical Form	Free-Flowing Powder
Color	White
Bulk Density, Untamped	0.11 g/cm <sup>3</sup>
Effective Density, liquid displacement	0.19 g/cm <sup>3</sup>
Particle Size - Mean	70 microns
Particle Size Range	5 - 150 microns

### Packaging

All Q-Cel<sup>®</sup> lightweight products are available in cartons, boxes and bulk bags.

### Safety

Q-Cel<sup>®</sup> 6019S hollow spheres are moderately alkaline and prolonged inhalation may irritate the respiratory tract. In dusty environments, the use of a NIOSH-approved mask or respirator is recommended. Material Safety Data Sheets (MSDS) will be supplied upon request.

### CONTACT CUSTOMER SERVICE FOR SALES, SAMPLES OR TECHNICAL SERVICE

Call (800) 552-3237  
(610) 651-4700  
Fax (610) 408-9723

Or Visit Potters Industries At Our Website:

[www.pottersbeads.com](http://www.pottersbeads.com)

Potters Industries, Inc  
P. O. Box 840  
Valley Forge, PA 19428-0840

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