



ENGINEERED GLASS MATERIALS DIVISION
HOLLOW MICROSPHERES

TWO TYPES ARE AVAILABLE; **Q-CEL®** AND **SPHERICEL®**

TYPICAL PROPERTIES OF Q-CEL® HOLLOW MICROSPHERES ¹					
Product	Density (g/cc)		Particle Size ⁴		Maximum Working Pressure Isostatic (psi)
	Effective ²	Bulk ³ (tamped)	Mean (microns)	Range (microns)	
300	0.21	0.12	90	5 – 200	500
6014	0.14	0.08	85	5 – 200	250
6019	0.19	0.11	75	5 – 175	500
6019S	0.19	0.11	70	5 – 150	500
6028	0.28	0.16	70	5 – 150	750
6036	0.36	0.21	60	5 – 125	1,000
6042S	0.42	0.26	50	5 – 90	2,000
6048	0.48	0.27	50	5 – 100	3,000
5019	0.19	0.11	72	5 – 150	500
5032S	0.32	0.20	63	5 – 150	1,000
7019	0.19	0.11	80	5 – 150	500
7023S	0.23	0.13	85	5 – 135	750
7028	0.27	0.16	75	5 – 120	1,000
7036	0.36	0.21	63	5 – 125	1,000
7040S	0.40	0.26	54	5 – 100	2,000

TYPICAL PROPERTIES OF SPHERICEL® HOLLOW MICROSPHERES ¹					
Product	Density g/cc		Particle Size ⁴		Maximum Working Pressure Isostatic (psi)
	True ²	Bulk ³ (tamped)	Mean (microns)	Range (microns)	
110P8	1.10	0.49	12	2 - 25	10,000
60P18	0.60	0.32	20	5 - 35	8,000
45P25*	0.45*	0.26*	27*	5 – 50*	4,000*
34P30	0.34	0.22	39	10 - 70	3,000
25P45	0.25	0.14	47	15 - 80	750

¹ Not for specification purposes.

² Effective Density is the particle density as measured by liquid displacement. True Density is the particle density as measured by gas displacement.

³ Bulk Density is the weight as measured in a container (graduated cylinder, to simulate a bin, silo, or carton) and includes the interstitial air.

⁴ Data represents percent volume distribution measured using laser light scatter technique.

* DEVELOPMENTAL PRODUCT-This has not been commercialized for general sale. Information provided cannot be guaranteed and is subject to change or withdrawal without notice.

SAFETY INFORMATION

Material Safety Data Sheets (MSDS) will be supplied upon request.

For additional information on our Solid and Hollow Glass Microspheres, please contact us:

Potters Industries LLC
 Engineered Glass Materials Division
 PO Box 841
 Valley Forge, PA 19482 USA

FOR SALES, SAMPLES OR TECHNICAL SERVICE

Call 1-800-552-3237
 1-610-651-4708
 Fax 1-610-408-9723

Visit us for more information at:
<http://www.pottersbeads.com/>

Potters respects the environment by recycling over one billion pounds of glass each year.

The technical information presented herein represents the best information available to us and is believed to be reliable. Potters Industries LLC makes no warranties, either expressed or implied, with respect to our materials, including the warranties of merchantability or fitness for any particular purpose. We urge that users of our materials conduct tests to determine suitability for their specific end uses.

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