



Best Quality 
Best Price 

i Spheres[™] have the highest sphericity and quality in the industry (>95% sphericity according to <http://en.wikipedia.org/wiki/Sphericity> definition) and are mono-dispersed in size (>90% in range, minimal over Max). XL Sci-Tech has a proprietary, advanced ON-DEMAND microspheres/beads production facility capable of large volume and customizable sphere properties (color, density, tracers/isotopes, diagnostic, fluorescent tag/ID, targeting...).

***i Spheres*[™] Product Code = Glass Code + Size Code**

Glass Codes:

- XLCLS: Soda lime silicate glasses for dimensional control such as bond line
- XLHS: High silica (Na, B free) glasses; Customizable density and other properties
- XLHD: High density (low silica) glasses for higher reflectivity
- XLCF: Other spheres of customer formulations with specific functions such as chemical and/or biological.

Size Codes (Ranges are in Micron, Thou and Standard Sieve Size):

Size Codes	Range (µm = micron)		Range (mil = thou)		Sieve	
	Min	Max	Min	Max	Max	Min
710850	710	850	27.8	33.1	20	25
600710	600	710	23.4	27.8	25	30
500600	500	600	19.7	23.4	30	35
425500	425	500	16.5	19.7	35	40
355425	355	425	13.9	16.5	40	45
300355	300	355	11.7	13.9	45	50
250300	250	300	9.8	11.7	50	60
212250	212	250	8.3	9.8	60	70
180212	180	212	7.0	8.3	70	80
150180	150	180	5.9	7.0	80	100
125150	125	150	4.9	5.9	100	120
106125	106	125	4.1	4.9	120	140
090106	90	106	3.5	4.1	140	170
075090	75	90	2.9	3.5	170	200
063075	63	75	2.5	2.9	200	230
053063	53	63	2.1	2.5	230	270
045053	45	53	1.7	2.1	270	325
038045	38	45	1.5	1.7	325	400
000038		38		1.5		400

SEM or Optical Microscope Photomicrographs of Selected Products

Particle Size Distribution

