



PQ Hollow Spheres



Technical Datasheet Hollow Microspheres Q-Cel® 5020FPS

Product Designation	5020 FPS		
Composition	Inorganic sodium silicate borate		
Appearance	Free Flowing White Powder		
Physical Form	Spherical, non-porous.		
Bulk Density	0.11		
Effective Density (Liquid Displacement)	0.20 ± 0.02 g/cc	<i>Test Method: Visual ASTM D2840</i>	
Mean Particle Size (microns)	46	<i>Test Method: Malvern Particle Size Analyser</i>	
Distribution:	D10	16	
	D50	43	
	D90	76	
Crush Strength (volume loss)	10%	500 PSI	34 Bar
			3.4 MPa
Heat Capacity	Kj/Kg. °C	1	
Thermal Conductivity	W/mK	0.057	
Refractive Index		1.5	
Chemical Resistance	Low alkali leach		

Packaging

Hollow micro-spheres are supplied in a variety of packaging to meet customers' needs. Conditioning can be:

Boxes: 27.5 Kg

Bulk Bags: 175 Kg

Safety Information

When using this product for prolonged periods in dusty environments inhalation may irritate the respiratory tract. NIOSH approved masks or respirators are recommended when handling the product.

Material Safety Data Sheets will be supplied on request.

Storage:

The cartons, bags and boxes used to pack our micro-spheres are designed to protect damage during shipment and handling. Some cautions are given for a proper storage:

- Store micro-spheres containers in dry conditions.
- Partially used containers should be tightly closed, not left open to the atmospheres for extended periods.
- The products are hygroscopic and will tend to agglomerate upon prolonged exposure to moisture and humidity.

For further information about our range of Hollow Glass Microspheres, do not hesitate to contact us:

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