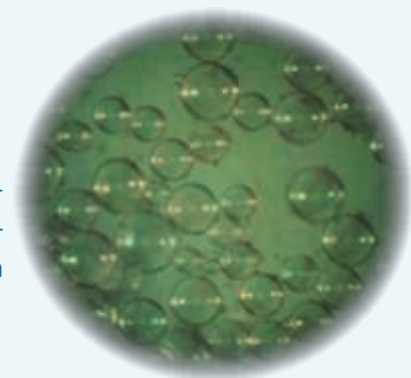


Q-CEL[®] 6717 Hollow Microspheres

Typical¹ Properties

Q-CEL[®] Lightweight 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. As filler, the primary function is to reduce resin usage and density but can enhance other properties as well.



Product Designation	Q-CEL [®] 6717 Inorganic Microspheres		
Appearance	Free-Flowing White Powder		
Physical Form	Hollow non-porous microspheres		
Composition	CAS Number	EINECS No / REACH Registration	
Amorphous Sodium Borosilicate	50815-87-7	Exempt	
Synthetic amorphous silica	7631-86-9	231-545-5	
Typical Properties			
Effective Density ³ (g/cm ³)	0.19 ± 0.03	Gas Pycnometer (ASTM D2840)	
Bulk Density ⁴ , Untamped (g/cm ³)	0.10		
Max Particle Size D90 (µm)	<105	Malvern Particle Size Analyser	
Mean Particle Size (µm)	<55		
Strength (% Volume Loss)	500 psi	3.4 Mpa	Isostatic N ₂ Gas pressure
Colour	White (min. 90 L Value on dry powder)		Hunterlab Colorimeter
Alkalinity	Low Alkali Leach		
Heat Capacity Kj.Kg.°C	1		
Thermal Conductivity (W/m.K) @ 21°C - 70°F	0.056		

¹ Typical values, not for specification purposes

² True Density is the particle density as measured by Gas Displacement

³ Effective Density is the particle density as measured by liquid displacement

⁴ Bulk Density is the weight as measured in a container (bin, silo, bag...) and includes the interstitial air

Packaging

Q-CEL[®] hollow microspheres are supplied in a variety of packaging to meet customer's requirements.

Standard conditioning can be in:

- Cardboard Boxes with inner PE liners: 27.22 Kg (60 Lbs)
- Bulk Cardboard Boxes with inner PE liners: 136.08 Kg (300 Lbs)

Samples in sufficient quantity for testing are available on request.

Product/ Service Information

Packaging:

Q-CEL® Hollow Microspheres are available in boxes with plastic bag liners, bulk bags and various bulk shipping modes. The package weight depends on the density of the Q-CEL® grade. Details of packaging options are available as a separate document. Samples in sufficient quantity for testing are available on request.

Safety Information:

Q-CEL® Hollow Microspheres are moderately alkaline, and prolonged exposure may irritate the respiratory tract. In dusty environments, the use of a NIOSH-approved mask or respirator is recommended. Material Safety Data Sheets (MSDS) can be supplied on request.

Other Product Range:

SPHERICEL® Ultra-Fine Hollow Glass Microspheres

Q-CEL® Ultra-Light Hollow Microspheres

ONG™ Hollow Microspheres for Oil Well Cementing

LUXSIL® Cosmetic Microspheres

SPACER BEADS Glass Microspheres for the bonding lines

For further information about our range of Solid & Hollow Glass Microspheres, please contact us:

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