



Glass Microspheres

Grade Ref: iM 30 K
Manufacturer: 3M, USA

Hollow Glass Microsphere made of Soda lime borosilicate used for lowering density, weight reduction mainly in Thermoplastic masterbatch and high performance industrial coatings

Typical Properties

Shape	Hollow sphere
Composition	Soda Lime Borosilicate
Color-unaided eye	White
True Density(g/cc)	0.60
Crush strength Psi.....	28000
pH.....	9.5
Average diameter in micron.....	15.3
Softening point in Celsius.....	600
Flotation.....	92%

Key advantages

- Weight reduction
- Improve dimensional stability
- Reduce warpage
- Improve melt flow
- Thermal insulation
- Heat reflective
- Acoustic
- Gloss control
- Reduce dielectric constant

End use applications

- Pultrusion Compounds
- Thermoplastic masterbatch
- Rubber components
- Automotive plastics
- Transportation equipment
- Medical equipment
- Sports goods
- Heat reflective coatings for high traffic
- Thermal insulation coatings
- Construction chemicals
- Quartz Stone

Packaging, Storage & Handling

Available packaging

60 kg Box

Storage Instructions

To help ensure ease of storage and handling while maintaining free flowing properties, The Glass Bubbles have been made from a chemically stable glass and are packaged in a heavy-duty polyethylene bag within a cardboard container. Minimum storage conditions should be unopened cartons in an unheated warehouse. Under high humidity conditions with an ambient temperature cycling over a wide range, moisture can be drawn into the bag as the temperature drops and the air contracts. The result may be moisture condensation within the bag. Extended exposure to these conditions may result in "caking" of the 3M glass bubbles to various degrees. To minimize the potential for "caking" and prolong the storage life, the following suggestions are made:

Handling Instructions

Carefully re-tie open bags after use.

If the polyethylene bag is punctured during shipping or handling, use this bag as soon as possible, patch the hole, or insert the contents into an undamaged bag.

Shelf life

1 year

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To support Indian market and customers we keep stocks of glass bubbles in warehouse & sale



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