



Glass Microspheres

Grade Ref: K-46
Manufacturer: 3M, USA

Hollow Glass Microsphere made of Soda lime borosilicate used for lowering density, weight reduction.

Typical Properties

Shape	Hollow sphere
Composition	Soda Lime Borosilicate
Color-unaided eye	White
True Density(g/cc)	0.47
Crush strength Psi.....	6000
pH.....	9.5
Average diameter in micron.....	40
Softening point in Celsius.....	600
Flotation.....	92%

Key advantages

- Weight reduction
- Thermal insulation
- Heat reflective
- Acoustic
- Gloss control
- Reduce dilectric constant

End use applications

- SMC/BMC
- Thermosetting Compounds
- Pressure sensitive adhesives
- Plastisols
- Hand and Spray lay ups
- Buoyancy
- Heat reflective coatings
- Thermal insulation coatings
- Construction chemicals
- Synthetic stone and marble
- Sports goods

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

3M & Scotchlite are a trademark of 3M - Geocon Products are distributors of 3M India Limited.
To support Indian market and customers we keep stocks of glass bubbles in warehouse & sale



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