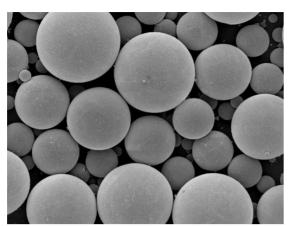


# **Technical Data Sheet**



## **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 Composition Color-unaided eye	Soda Lime Borosilicate
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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NOTE: Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product is appropriate for a particular use or application, whether such use will comply with all applicable laws or regulations, and whether such use will infringe the intellectual property rights of third parties.