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Technical Data Sheet

Glass Beads

Glass beads are used in various industries for applications such as paints, coatings, insulation materials, reflectors, fillers, composites, and surface treatments. The Mohs hardness scale value of glass beads typically ranges from 5 to 7, indicating their effective abrasive and cleaning capabilities. They have a density ranging from 2.2 to 2.5 g/cm³. Glass beads exhibit a low thermal expansion coefficient, making them resistant to thermal stresses even in high-temperature applications. They are also resistant to thermal shocks and provide consistent performance. Manufactured from highly optically transparent glass material, glass beads efficiently transmit light, ensuring high visibility. They are particularly preferred for applications involving reflective coatings and materials.

Applications

- Sandblasting
- Surface Finishing
- Shot Peening
- Cleaning

Available Sizes

Product Code	Micron (µm)		
600 – 800	500	-	1000
400 – 600	750	-	1000
300 – 400	500	-	750
200 – 300	200	-	500
150 – 250	150	-	250
100 – 200	100	-	200
90 – 150	90		150
70 – 110	70		110
40 – 70	40		70
1 – 50	1		50

Chemical Analysis

Compound	Percent (%)
SiO2	70 – 75
Na2O	12 – 15
CaO	7 – 12
MgO	max. 5
Al2O3	max. 2,5
K2O	max. 1,5
Fe2O3	max. 0,5

Physical Properties

Hardness	5 – 7 Mohs
Grain Shape	Spherical
Melting Point	~ 720 °C
Density	2,5 g/cm3
Bulk Density	1,5 – 1,6 g/cm3

Packaging

25kg Kraft bags on pallet of 1 ton

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