

GLASS SPHERES

For Mixing, Grinding and Dispersing

GL-0271 E-GLASS SPHERES

Characteristics of E-Glass

- Highly abrasion-resistant
- Alkali free
- High compression strength
- Highly spherical

Classification

Part Number	Size Range (mm)	Quantity (lb)	Price (\$/lb)
GL0271B/600-1000	0.6-1.0	0-500	8.00
GL0271B/800-1200	0.8-1.2	501-1000	7.50
GL0271B/1000-1500	1.0-1.5	1001-2000	7.25
GL0271B/1500-2000	1.5-2.0	2001-5000	7.00
GL0271B/1700-2500	1.7-2.5	>5000	Quote
GL0271B/2000-2500	2.0-2.5		
GL0271B/2500-3500	2.5-3.5		

Applications

Magnetic materials, special paints, ink grinding, dispersants, filter aids, and media.

Use where high abrasion resistance is needed or alkali-release must be avoided.

Properties

Item	Properties
Composition	Aluminoborosilicate
Components	SiO ₂ , CaO, Al ₂ O ₃ , B ₂ O ₃ , MgO
Specific Gravity	2.6
Mechanical properties	
Vickers hardness (kg/mm ²)	660
Abrasion Index (%)	1
Compressive strength (kg/mm ²)	39

GL-0191-S SODA-LIME SPHERES

Characteristics of Soda-Lime Glass

- Chemically stable
- Minimum machine wear
- Low cost
- Highly spherical

Classification

Part Number	Size Range (mm)	Quantity (lb)	Price (\$/lb)
GL0191SB/600-1000	0.6-1.0	0-500	4.85
GL0191SB/800-1200	0.8-1.2	501-1000	4.15
GL0191SB/1000-1500	1.0-1.5	1001-2000	3.85
GL0191SB/1500-2000	1.5-2.0	2001-5000	3.15
GL0191SB/1700-2500	1.7-2.5	>5000	Quote
GL0191SB/2000-2500	2.0-2.5		
GL0191SB/2500-3500	2.5-3.5		

Applications

Paints, inks, pigments, grinding of dyes, dispersants, building decorations, filter aids and media.

Use where low cost and minimum machine wear is required.

Properties

Item	Properties
Composition	Soda-lime glass
Components	SiO ₂ , CaO, Al ₂ O ₃ , Na ₂ O, K ₂ O, MgO
Specific Gravity	2.5
Mechanical properties	
Vickers hardness (kg/mm ²)	550
Abrasion index (%)	4
Compressive strength (kg/mm ²)	29



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MO-SCI Specialty Products, L.L.C. has extensive experience in glass spheres and fiber fabrication techniques and in developing glass compositions whose properties are tailor-made to satisfy special applications. Please contact our office at 573-364-2338.