



TECHNICAL DATA SHEET

PRODUCT: Blasting Glass beads

NAME: Blasting Glass beads

Description:

Glass beads was made from soda-lime silica glass sand which crushed by glass blocks and plate glass, fused by high temperature in the electric furnace.

Glass beads is in low heat conduction, nice strength, good chemical stability.

The chemical composition is inert silicon dioxide without disturbance of chemical activity.

Features:

Round elastic particles, impact resistant, can be recycled many times with less loss

Small wear to spray, prolong nozzle service life

Round ball surface, will not damage the processing surface and precision size

With glass beads for blasting, the work piece surface is smooth, with a special aesthetic feeling, improve the product value

Suitable for dry and wet sand blasting

Physical and Chemical Composition

Chemical Composition (%)	
SiO ₂	73.00
Na ₂ O	14.30
CaO	9.20
Al ₂ O ₃	2.00
MgO	4.0
K ₂ O	0.60
SO ₃	0.30
Fe ₂ O ₃	0.11
Typical Physical Properties	
Hardness:	Mohs:6-7 HRC:46
Specific Gravity:	2.5 g/cm ³
Bulk density(LPD):	1.6 g/cm ³
Refractive Index(RI)	≥1.5
Round rate	≥80.0%
Magnetic content	≤0.1%
Particle appearance:	colorless ,glass transparent without impurities, Round and smooth

Application:

Mainly using for the surface sandblasting and shot blasting of metals,glass,rubber and plastics,acrylic,and can avoid the workpieces be damaged.

Glass beads are a reusable abrasive and are mainly used in blast rooms and blast cabinets. Glass beads contain no free iron to cause corrosion on non-ferrous surfaces, therefor glass beads are very suitable to use on all types of metals. Since it doesn't create an anchor profile, it is mainly used to clean a substrate without roughening it or to polish the surface. Glass beads also can blasting with compressed air.

It suitable for blasting work as below:

- Blasting aviation parts by glass beads will eliminate stress, to increase the fatigue strength and reduce friction and wear
- Weld steel workpiece cleaning and removal of surface scratches and other beauty processing;
- Line cutting clean rust mold;
- The appearance of decorative art;

Available Sizes

Mesh(U.S. standard)	BEAD SIZE RANGE (Dia. um)	BEAD SIZE RANGE (Dia. Inch)
20-30	850-600	0.0331-0.0234
30-40	600-425	0.0234-0.0165
40-50	425-300	0.0165-0.0117
50-70	300-212	0.0117-0.0083
60-80	250-180	0.0098-0.0070
70-100	212-150	0.0083-0.0059
80-120	180-125	0.0070-0.0049
100-170	150-90	0.0059-0.0035
120-200	125-75	0.0049-0.0029
140-230	106-63	0.0041-0.0025
170-325	90-45	0.0035-0.0017
270-320	53-45	0.0021-0.0017

*Other customized sizes are available upon request.

The shown values are typical characteristics of the material and shall not be used to prepare specifications. They are submitted to tolerances of the production and meet the present standard of technique. We reserve our right for changes within the scope of technical progress or internal improvement.

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