



Glass Beads

Opta Minerals your source for Blast Cleaning Abrasives:

- Aluminum Oxide
- Blackblast - Coal Slag
- Chilled Iron Grit
- Corn Cobs
- Ebonygrit - Copper Slag
- International Garnet
- Garnet
- Glass Beads
- Greengrit - Crushed glass
- Plastic Media
- Powerblast LS - Staurolite
- Super Steel Shot
- Super Steel Grit
- Ultrablast - Nickel Slag
- Walnut Shells
- Blast Cleaning Equipment

Contact Us

Our sales team is ready to help you to determine the right product for your job.
 For more information please call us:
 Toll-free: 888-689-6661
 Tel: 519-720-9694
 E-mail: info@optaminerals.com
 Visit: www.optaminerals.com

Glass Bead is a versatile air-blasting media used in a variety of different applications:

- **Finishing:** Glass Bead blasting can be used on a wide range of materials including metal, glass, plastic and rubber. The smaller the glass spheres, the smoother the surface; larger spheres produce a more textured finish.
- **Cleaning:** Glass Bead blasting removes/cleans foreign substances from the surface without a dimensional change to the surface. A wide range of bead sizes is available.
- **Deburring:** Glass Bead blasting removes burrs, feathered edges, from parts in a precision operation. Corners and edges must be deburred with precision to assemble and operate properly. Glass Bead blasting guarantees that no base metal from the surface is removed.
- **Peening:** Peening with Glass Bead is a low-cost form of creating a uniform surface layer of compressed stress in alloy substances. Peening acts to combat stress cracks and corrosion, resulting in increasing the life of metal parts. The high degree of roundness of our Glass Bead media enhances the performance of stress resistance processes.



ADVANTAGES OF GLASS BEADS

- Wide range of grades available for different jobs and profiles
- Non-reactant – will not interfere with your coatings
- No dimensional change to the surface and no embedded contaminates or residue left on material.
- Smoothly blends away surface defects and improves corrosion resistance
- No detectable crystalline silica

AVAILABLE SIZES AND GRADES

Type	Mesh
B13	170-325
B11	120-200
B10	100-170
B9	80-140
B8	70-100
B7	60-80
B6	50-70
B5	40-60
B4	30-40

TECHNICAL SPECIFICATIONS (IN %)

Symbol	Name	Percentage
SiO ₂ (total)	(Silicon Dioxide - Total)	72%
Na ₂ O	(Sodium Oxide)	13%
CaO	(Calcium Oxide)	5%
MgO	(Magnesium Oxide)	4%
K ₂ O	(Potassium Oxide)	3%
Al ₂ O ₃	(Aluminum Oxide)	1%

CHARACTERISTICS

Colour:	Colourless and transparent, with no visible bubbles or impurities
Bulk Density:	1.5 - 1.6 g/cm ³
Specific Gravity:	2.5
Grain Shape:	Round/Spherical
Solubility:	Insoluble
Hardness:	5.5 - 6.0 Mohs

PACKAGING

55 lb (25 kg) bags, 40 bags (2,200lb) / pallet