

Glass Beads

BENEFITS OF GLASS BEADS:

- For cleaning of automotive medical, stainless steel, copper and aluminum parts in many industries.
- No dimensional change to the metal surface and no embedded contaminants or residue left on the metal surface, unlike other cleaning/finishing methods.
- Smoothly blends away surface defects and improves corrosion resistance.
- No detectable "crystalline silica"

OPTA MINERALS FOR ALL YOUR BLASTING ABRASIVE NEEDS:

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

Information Bulletin

Finishing

Glass Bead blasting can be used applied 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 Beads remove/clean foreign substances from the surface without a dimensional change to the surface. A wide range of bead sizes is available.

Deburring

Glass Beads 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 Beads 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 which result in increasing the life of metal parts.

The high degree of roundness of our Glass Beads enhances the process performance of stress relief.

Technical Data

Chemical Composition

SiO ₂	72%
Na ₂ O	13%
CaO	5%
MgO	4%
K ₂ O	3%
AL ₂ O ₃	1%

Appearance:

Clean and transparent; no visible bubbles or impurities.

Density: 2.6g/cm³

Hardness: 6-7 Moh

Available in the following sizes:

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

Packaging

In 55 lb (25kg) - 40 bags/pallet.

OPTA MINERALS has production and warehouse facilities in the following locations:

Waterdown, ON; Lachine, QC;
 St-Bruno-de-Guigues, QC; Brantford, ON;
 St-Germain-de-Grantham, QC; Norfolk, VA;
 New Orleans, LA; Los Angeles, CA;
 Hardeeville, SC; Attica, NY; Baltimore, MD;
 Keeseville, NY; Walkerton, IN; Milan, MI;
 Richfield, OH.