



Abrasives

Sil Industrial Minerals Glass Bead

Glass Bead Information

• Sil Industrial Minerals glass beads are formulated of chemically inert soda-lime glass to produce a metallurgically clean surface for parts and equipment. Our glass bead is produced from plate glass vs. recycled bottle glass. The benefit is a glass bead that rates higher on the MOHS hardness scale and lasts longer.

Cleaning:

- Impact of the beads removes foreign substances from the base surface without dimensional change. Leaving a metallurgically clean surface for parts and equipment.
- Wide range of sizes available to clean hard to reach areas easily and quickly.

Finishing:

- A finer, smoother non-glare finish is achieved with small beads, while larger beads produce a more textured finish.
- Blend away surface defects
- Improves the corrosion resistance of the finished surface

- There is no change to the metal surface, or contamination or residue unlike other finishing methods.
- Finish will improve lubrication and reduces friction on moving parts.

Deburring:

- Remove burrs, feathered edges and nicks from tools, equipment and parts.
- No base metal is removed from the surface of the part.
- Our beads are manufactured to conform to US Military Specification MIL-G-9954A.

Peening:

- Create a uniform surface layer of compressive stress, which acts to combat stress cracks and corrosion, therefore, increasing the life of metal parts.
- No metallic contamination on the workpiece
- Eliminates the second step of removing metallic contamination left by steel shot or other peening media.
- For delicate thin welds, glass bead provides the right balance of stress relief without over-stressing and causing damage.

Stock No.	Size	Mesh Size
15GB003	#3	20-30 Mesh
15GB004	#4	30-40 Mesh
15GB005	#5	40-50 Mesh
15GB006	#6	50-70 Mesh
15GB007	#7	60-80 Mesh
15GB008	#8	70-100 Mesh
15GB009	#9	80-120 Mesh
15GB010	#10	100-170 Mesh
15GB011	#11	120-200 Mesh
15GB012	#12	140-230 Mesh
15GB013	#13	170-325 Mesh

Glass Grit

15GG001 30-40 Mesh

