Potters General Specifications

Designation	US Sieve	Max Inches	Min Inches	Max Microns	Min Microns	Min % Round
A	20-30	0.0331	0.0234	850	600	65
AAA	25-45	0.0278	0.0139	710	355	65
B	30-40	0.0234	0.0165	600	425	65
C	40-60	0.0165	0.0098	425	250	75
AA	40-70	0.0165	0.0083	425	212	70
D	50-70	0.0117	0.0083	300	212	75
AB	50-80	0.0117	0.0070	300	180	70
AC	60-120	0.0098	0.0059	250	150	80
AD	70-140	0.0083	0.0041	212	106	80
AE	100-170	0.0059	0.0035	150	90	85
AG	120-270	0.0041	0.0021	106	53	85
AH	170-325	0.0035	0.0017	90	45	85

Potters Glass Bead Impact Media For Cleaning And Conditioning Metal Surfaces

Glass Bead Impact Media:

- Are consumed at a slow rate and can survive multiple impacts, allowing for continuous recycling of the media.
- Are chemically inert and will not leave ferrous or other undesirable residues on the surface of the workpiece.
- Impart a controlled, clean finish on a variety of metals.
- Clean quickly without significant metal removal.

Typical Applications For Glass Bead Blasting:

Cleaning

- Cleans and preps the surface of metal parts without changing tolerances or imparting ferrous pollutants,
- Combines cleaning, finishing, and peening in one operation,

Finishing

- Creates a wide range of unique surface finishes that are easy to reproduce,
- Blends machine marks, seals pores, and the results offer the advantages of glass bead peening,

Peening

- Reduces the tensile stress in metal parts, increasing the fatigue limits,
- Reduces stress corrosion cracking,

Deburring

- Removes burrs without damaging parts and offers a peened surface in one operation,

Glass Bead Facts

Course Beads: Removes larger, tougher soils; peen to more intense levels; peen to deeper zones in surface; produce higher surface RA; produce brighter surface; consume faster at same pressure as fine beads; in practice, may consume slower than fine beads.

Fine Beads: Removes smaller, lighter soil; more impacts per pound; clean faster; peen to less intense levels; peen outer zones of surfaces; reach into keyways, filletes, and small areas; produce lower surface RA; produce matte finish; consumes slower at same pressure as coarse beads; in practice may consume faster than coarse beads.

All Beads: Contains no free silica (environmentally friendly); recycle many times; clean efficiently at 45-60^0 nozzle angle; Bead size, shape of workpiece, angle of nozzle, distance of nozzle to surface area, air pressure, and type of delivery system (suction vs. direct pressure blast) are factors affecting the final surface appearance and media consumption parameters.

Physical Properties: Shape: spherical; Color: clear; Hardness: .515 kg/mm 2 (Kroop); Comprehensive strength: 36,000 psi (avg.); Density: 2.5g/cc; Specific Gravity: 2.45-2.50; Free Silica Content: 0%