

## Glass Beads

### Technical Data Specification – Typical

**Glass Beads** are a spherical abrasive manufactured from chemically inert soda lime glass.

Glass Beads are used for cleaning, finishing, light peening, deburring, sanitizing, descaling, coating removal, polishing and surface blending.

Glass Beads produce a bright satin finish; finer beads produce a smoother non glare finish, while larger beads produce a deeper textured finish. Blasting with Glass Bead does not produce any dimension changes to the part base surface.

#### Chemical Composition:

| SiO <sub>2</sub> | MgO     | Al <sub>2</sub> O <sub>3</sub> | Na <sub>2</sub> O | CaO   | K <sub>2</sub> O |
|------------------|---------|--------------------------------|-------------------|-------|------------------|
| 71-7             | 3% 3-5% | 0.5-2%                         | 13-15%            | 8-10% | 0.2-0.6%         |

#### Physical Properties

| Hardness | Specific Gravity            | Bulk density           | Shape     | Free Silica | Free Iron | Colour |
|----------|-----------------------------|------------------------|-----------|-------------|-----------|--------|
| 6-7 Mohs | 2.45-2.50 g/cm <sup>3</sup> | 1500 kg/m <sup>3</sup> | Spherical | NIL         | <1%       | Clear  |

#### Sizes

| Size in mesh | 25-45 | 30-40 | 40-60 | 40-70 | 50-70 | 50-80 |
|--------------|-------|-------|-------|-------|-------|-------|
|--------------|-------|-------|-------|-------|-------|-------|

#### Applications:

Cleaning, surface finishing and sanitizing of metallic parts, especially effective on stainless steel, food processing equipment, medical instruments.

Shot peening of aircraft engine blades, turbine rotors, gears, blisks, shafts, steam and gas turbine components. Stress corrosion cracking prevention.

Deburring and surface blending of gears, turbocharger parts, ferrous and non ferrous fabrications, aluminium die casting and machined parts.

**Packaging:** 1 Ton Jumbo Bags / 25 Kg PP or Paper Bags