

## GLASS BEADS

## YWGB09# SERIES

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Sandblasting glass bead is powered by compressed air to spray glass beads onto the surface of workpiece with high speed and high pressure for shot peening and polishing processing. It's mainly used for cleaning all kinds of molds such as punching, forging glass, rubber, plastic, metal casting, extrusion, etc. It can eliminate tensile stress, increase fatigue life and improve wear resistance. Normally its hardness  $\geq 5.5$ , density  $2.4-2.6\text{g/cm}^3$ .

### YWGB09# SERIES

We supply the sandblasting glass bead as per American standard MIL-G-9954A.

#### Applications

1. Semi-luster surface treatment on stainless steel products.
2. Clean and polish moulds for punching, forging, metal casting, glass products, rubber products and others.
3. Eliminate all kinds of machine parts tensile stress, increase fatigue life and improve wear resistance. For instance, aircraft engine turbine, blade, axis, undercarriage, as well as all kinds of spring, gear hydraulic parts, etc.
4. Clean semiconductor device and plastic sealed pair pipe before plating tin and remove edge and burrs.
5. Remove blockage in piston and cylinder.
6. Clean coil, brush, rotor and other spare parts when the motor and generator are overhauled.
7. Clean and deburr various metal pipes and nonferrous metal precise casting. Shotblasting enhancement and polishing from textile machinery components.
8. Provide bright and sub glossy surface for medical apparatus instruments and automobile spare parts.

### PRODUCT DATA

Size (Diameter)	Between 0 and 800 $\mu\text{m}$ (see table Standard Sizes)
Transformation temperature	$549^\circ\text{C}$
Softening point (Littleton point)	$734^\circ\text{C}$
Melting point	$1446^\circ\text{C}$
Specific thermal Conductivity	$1.129\text{ W/(mK)}$
Thermal expansion	$9.05 \times 10^{-6}\text{ K}^{-1}$ $120^\circ\text{C}$ (Coefficient of linear expansion $\alpha$ )
Specific thermal capacity	$1.329\text{ kJ/kg K}$ [ $>600^\circ\text{C}$ ]
Youngs-Module	$63\text{ GPa}$
Hardness according to Mohs	$\geq 6$
Specific gravity ( $\text{g/cm}^3$ )	$2.4-2.6$
Refractive index	$\geq 1.5$
Spherical beads (%)	$\geq 80$
Arsenic	$\leq 200\text{ ppm}$
Lead	$\leq 200\text{ ppm}$
Antimony	$\leq 200\text{ ppm}$

### PACKING

Packages just like the photo in right and the details are 25kgs/bag, 40bags/pallet, 20pallets per 20 feet container.



#### STANDARD PRODUCT

Items	Mesh	Diameter (micron)
YWGB01#	12-14	1700-1400
YWGB02#	14-20	1400-850
YWGB03#	20-30	850-600
YWGB04#	30-40	600-425
YWGB05#	40-50	425-300
YWGB06#	50-70	300-212
YWGB07#	60-80	250-180
YWGB08#	70-110	212-150
YWGB09#	90-150	180-125
YWGB10#	100-170	150-90
YWGB11#	120-200	125-75
YWGB12#	140-230	106-63
YWGB13#	170-325	90-45



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