



Brite-Blast - Glass Beads

Product Description and Technical Data:

BriteBlast Glass Beads are popular air blasting media widely used for cleaning, conditioning or cleaning of metallic surfaces.

Glass Bead is manufactured from high grade crushed and sized glass cullet. The cullet is melted to a spherical shape and annealed to equalize internal stresses and resist fracture. These non-abrasive, clear, transparent spheres function without particle embedment, pick up, contamination or other damage to the surface under treatment.



Depending on the size and operating parameters selected, Glass Bead produces a surface finish ranging from fine matt to bright satin. Decorative and special effects on surfaces may be easily achieved by masking and blasting surfaces with glass bead.

The inherent characteristics of Glass Beads permit cleaning and deburring of critically tolerance parts without removing any base metal, thereby preserving the critical tolerances. In addition, the inherent strength of Glass Beads is such that it can survive multiple impacts, making it an ideal abrasive for use in blasting equipment fitted with recycling facilities.

Glass Beads are widely utilized in peening applications to impart a layer of compressive stresses on components exposed to cyclical loadings and containing residual stresses.

The use of Glass Bead topeen the component reduces the risk of failure due to fatigue stress or corrosion cracking. Being chemically inert and non-toxic, glass bead will not leave any undesirable or ferrous residue on blasted surfaces and uncontaminated spent media is environmentally harmless.

Abrasive Properties

Shape	Spherical	Basic Material	Soda Lime Glass
Hardness (Moh)	5.5	Roundness %	Min 70
Bulk Density (Kg/m ³)	1500	Broken Particles %	Max 3 by count
Particle S.G.	2.45 - 2.50	Free Silica %	0
Colour	Clear Glass	Size Standard	ASTM

Grades

	Microns	MM
BL	400 - 800	0.4 - 0.8
C	200 - 400	0.2 - 0.4
AB	200 - 300	0.2 - 0.3
AC	150 - 250	0.15 - 0.25
AD	100 - 200	0.10 - 0.20
AF	70 - 150	0.07 - 0.15
AG	50 - 100	0.05 - 0.10
AH	40 - 70	0.04 - 0.07

Packaging:

Packed in 25 kilograms polyprop bags with plastic liner, 40 x 25 kg bags per 1-ton bulk bag.

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"The Finishing Touch"