

BrightBlast™ Glass Bead

DESCRIPTION

BrightBlast™ Glass Bead is a unique and popular air blasting media widely used for cleaning, conditioning or peening metallic surfaces.

BrightBlast™ is manufactured from high-grade crushed and sized glass cullet. The cullet is melted to a spherical shape and annealed to equalise 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, BrightBlast™ produces a surface finish ranging from fine matte to bright satin. Decorative and special effects on surfaces may easily be achieved by masking and blasting surfaces with BrightBlast™.

The inherent characteristics of BrightBlast™ Glass Beads permit cleaning and deburring of critically toleranced 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.

RECOMMENDED USES

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

The use of BrightBlast™, to peen the component, reduces the risk of failure due to fatigue stress or stress corrosion cracking. Being chemically inert, and non-toxic, BrightBlast™ will not leave any undesirable or ferrous residue on blasted surfaces and

uncontaminated spent media is environmentally harmless.

PACKAGING

BrightBlast™ Glass Bead is available in 25kg bags. One Tonne Pallet = 40 x 25kg Bags.

AVAILABLE SIZES

Grade	GB3	GB4	GB5	GB6
CODE	03B	04C	05AA	06D
Microns	425-600	250-425	212-425	212-300
Inch (.001")	.016-.023	.009-.016	.008-.016	.008-.011

Grade	GB7	GB8	GB9	GB10
CODE	07AB	08AC	09AD	10AE
Microns	180-300	125-250	106-212	90-150
Inch (.001")	.007-.011	.005-.010	.004-.008	.003-.006

Grade	GB11	GB12	GB13
CODE	11AG	12AH	13AI
Microns	53-106	45-90	<53
Inch (.001")	.002-.004	.001-.003	<.002

Grade	MIL-3	MIL-4	MIL-5	MIL-6
Microns	850-600	600-425	425-300	300-212
Inch (.001")	.033-.023	.023-.016	.016-.012	.012-.008

Grade	MIL-7	MIL-8	MIL-9	MIL-10
Microns	250-180	212-150	180-125	150-90
Inch (.001")	.010-.007	.008-.006	.007-.005	.006-.0035

Grade	MIL-11	MIL-12	MIL-13
Microns	125-75	106-63	90-45
Inch (.001")	.005-.003	.004-.002	.0035-.001

Note:- Other sizes and peening grades are available upon request.

ABRASIVE PROPERTIES

Shape	Spherical	Basic Material	Soda Lime Glass
Hardness (Moh)	5.5	Roundness %	Min 70
Bulk Density (kg/m3)	1500	Broken Particles %	Max 3 by count
Particle S.G.	2.45-2.50	Free Silica %	0
Colour	Clear Glass	Size Standard	ASTM

For further information consult the **Material Safety Data Sheet** and read the product label carefully before use. **Material Safety Data Sheets** are available by phoning **1800 077 744**.

Please Note:- The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



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