

BrightBlast™ Glass Beads

PEENING BEADS

Product Description and Technical Data:

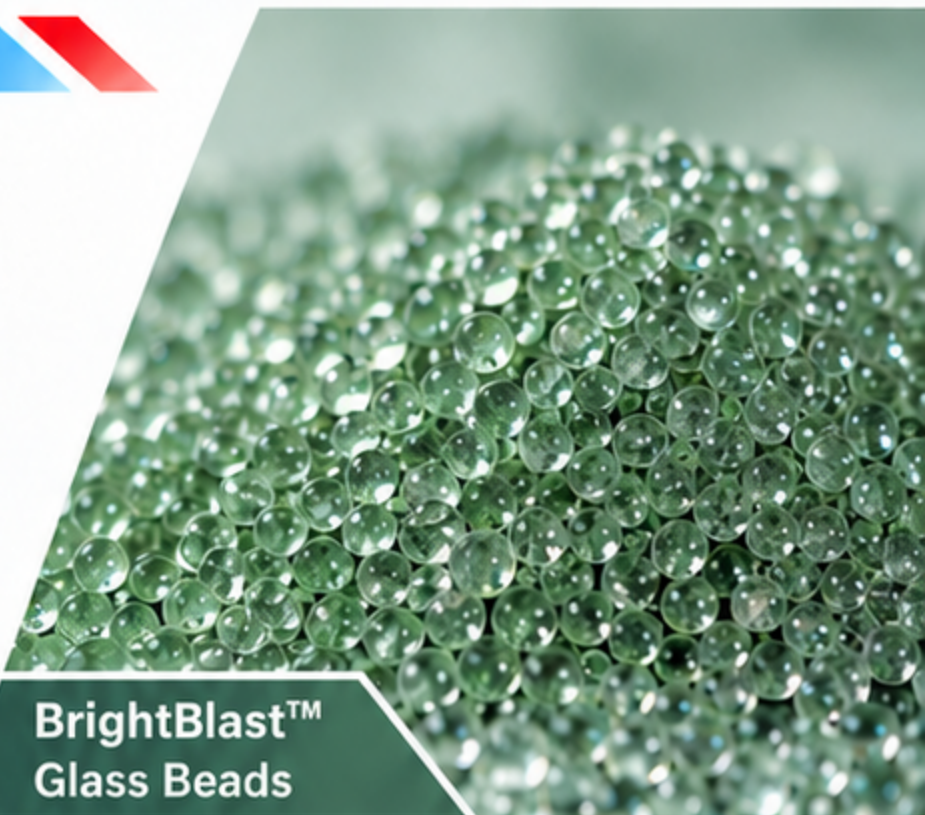
BrightBlast™ Glass Beads are high-quality, controlled spherical media specifically designed for shot peening applications.

BrightBlast™ is manufactured from high-grade crushed and sized glass cullet, melted and formed into a spherical shape with a consistent size distribution and high roundness. The smooth, non-abrasive, transparent spheres deliver uniform and repeatable peening performance without cutting, embedding or removing base material.

In peening applications, BrightBlast™ Glass Beads impart a uniform layer of compressive stresses on component surfaces, improving fatigue resistance and extending service life. The controlled spherical shape ensures consistent stress distribution and helps preserve critical dimensions and surface finish.

BrightBlast™ Glass Beads are ideal for use on critically toleranced components, including aerospace, automotive, medical and precision engineered parts, where maintaining dimensional accuracy and surface integrity is essential.

The use of BrightBlast™ in peening reduces the risk of fatigue failure due to cyclic loading, stress corrosion and cracking. Being chemically inert and non-toxic, BrightBlast™ will not leave any undesirable or ferrous residue on peened surfaces and the spent media is environmentally harmless.



**BrightBlast™
Glass Beads**

BrightBlast™ 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

BrightBlast™ Glass Beads

PEENING TECHNICAL DATA

BrightBlast™ Peening Available Sizes:

Designation Number / Grade	AGB-70 (MIL-3)	AGB-50 (MIL-4)	AGB-35 (MIL-5)	AGB-30	AGB-25 (MIL-6)	AGB-20 (MIL-7)	AGB-18 (MIL-8)	AGB-15 (MIL-9)	AGB-12 (MIL-10)	AGB-12 (MIL-11)	AGB-9 (MIL-12)	AGB-6 (MIL-13)
Microns	850 - 600	600 - 425	425 - 300	355 - 250	300 - 212	250 - 180	212 - 150	180 - 125	150 - 90	125 - 75	106 - 63	90 - 45
Inch	.033 - .023	.023 - .016	.016 - .012	.014 - .010	.012 - .008	.010 - .007	.008 - .006	.007 - .005	.006 - .0035	.005 - .003	.004 - .002	.0035 - .001

Other sizes peening grades available upon request.

BrightBlast™ Packaging:

25kg Bags	1 Tonne Pallet (40 x 25kg Bags)
-----------	---------------------------------

BrightBlast™ Ordering Information:

Stock Code	AGB-MILXX
Key	XX - Product MIL Grade (e.g. 13 for MIL13)
Stock Code	AGB-AMS2431AGBXX
Key	XX - Product AMS 2431 Designation Number (e.g. 30 for AGB30)

Typical Peening Uses:

- ▶ Improves fatigue life by inducing beneficial residual compressive stress.
- ▶ Used for aerospace and automotive components.
- ▶ Ideal for springs, gears and precision parts.
- ▶ Helps increase resistance to stress corrosion and stress cracking.
- ▶ Provides a consistent, uniform finish without removing base material.

