

GLASS BEADS - INDUSTRIAL

TRADE NAME

STARBEAD INDUSTRIAL BEADS

DESCRIPTION

Starbead® are high quality glass micro spheres resulting from the specialised processing of selected glass cullet.

FUNCTION

Starbead® is a versatile blasting media used in a variety of applications.

Finishing: Used on a wide range of materials including metal, glass, plastic and rubber. The smaller the glass spheres, the smoother the textured surface.

Cleaning: Glass Bead blasting removes/cleans foreign substances from the surface without a dimensional change to the surface.

Deburring: Glass Bead blasting removes burrs, feathered edges, from parts in a precision operation. Corners and edges must be deburred with precision to assemble and operate properly. Glass Bead blasting guarantees that no base metal from the surface is removed.

Peening: Peening with Glass Bead is a low-cost form of creating a uniform surface layer of compressed stress in alloy substances. Peening acts to combat stress cracks and corrosion, resulting in increasing the life of metal parts.

TYPICAL CHEMICAL ANALYSIS (full analysis on application)

SiO ₂	72.55% (no free silica)
Al ₂ O ₃	0.5 - 2%
K ₂ O	0.88%
Na ₂ O	13.78%
CaO	7.02%
Fe ₂ O ₃ 0.18% MgO 3.02%	

TECHNICAL DATA

Hardness	6-7 Moh scale
Specific weight	2-3
Average bulk density	1.6 kg/l
Free silica	None
Shape	Round
Storage	Dry, sheltered storage conditions
Packaging	25 kg bags, palletised

SIEVING RANGE



CODE	SIZE RANGE (micron)	PERFORMANCE CHARACTERISTICS
BL	400 – 800	Used for the cold working of metal surfaces as well as for general cleaning.
C	200 – 400	
AB	200 – 300	
AC	150 – 250	
AD	100 – 200	Peening with glass bead abrasive material provides the right balance of stress relief without over-stressing and causing damage.
AF	70 – 150	
AG	50 – 100	
AH	40 – 70	Can be recycled up to 30 times.
AQ	1 – 50	