

SatinBlast™ Stainless Steel Shot

Product Description and Technical Data:

SatinBlast™ Stainless Steel Shot is one of the longest lasting most durable abrasives available. Produced from 300 Series Cast Stainless Steel, SatinBlast™ will provide repeatable, consistent performance for thousands of cycles, a critical factor when using for shot peening purposes.

During use, and because of the continuous impacting, SatinBlast™ will work harden itself, its internal structure changing from austenitic to martensite. This transformation enables SatinBlast™ to withstand up to 5000 impacts.

As produced, SatinBlast™ has a hardness of approximately 200 HV. With continuous use the hardness will increase to approximately 530 HV after 2000 cycles. Due to its exceptionally low break down rate, virtually no dust is produced from the abrasive itself.

The high density of SatinBlast™, along with it not shattering on impact, also delivers very high impact energies to the work piece, resulting in faster cleaning rates.

SatinBlast™ is used for applications where residue on the blasted component is undesirable and/or when a very bright surface finish is required. The abrasive will leave no ferrous residue or staining on the work piece. SatinBlast™ is widely used on magnesium, aluminium, nickel and chromium based alloy components and other non-ferrous parts.

SatinBlast™ Abrasive Properties:

Property	Value	Property	Value
Shape	Round	Size Standard	ASTM
Hardness (HV) New / Unused	300	Chromium %	16 - 20
Hardness (HV) Approx. 2000 Cycles	450	Nickel %	12 - 14
Bulk Density (kg/m³)	4500	Silicon %	< 3
Particle S.G.	> 7.0	Manganese %	< 2
Colour	Silver Grey	Carbon %	< 0.25

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SatinBlast™ Available Sizes:

Grade	S040	S070	S110	S170	S230
Microns	45 - 250	75 - 425	150 - 600	425 - 1000	600 - 1180
Inch	0.002 - 0.009	0.003 - 0.016	0.006 - 0.023	0.016 - 0.039	0.023 - 0.046

Grade	S280	S390	S460	S660	S780
Microns	710 - 1400	850 - 1700	850 - 2000	1180 - 2800	1700 - 4000
Inch	0.028 - 0.055	0.033 - 0.067	0.033 - 0.078	0.046 - 0.110	0.067 - 0.157

Other sizes available upon request.

SatinBlast™ Packaging:

25kg Bags

SatinBlast™ Ordering Information:

Stock Code	AOT-OASBXXXX
Key	XXXX - Product Grade (e.g. S110 for S110)