



Aluminum Oxide Blasting

<i>Finishing</i>	<i>Cleaning / Removal</i>	<i>Peening</i>	<i>Surface Profile (Etch)</i>	<i>Working Speed</i>	<i>Recyclability</i>	<i>Probability of Metal Removal</i>	<i>Hardness MOH Scale</i>	<i>Bulk Density (lb/cu ft)</i>	<i>Mesh Size</i>	<i>Typical Blast Pressure</i>	<i>Shape</i>
Yes	Yes	No	Yes	High	M-High	M-High	8-9	125	20-600	40-90	◇

Fastblast® is a tough, medium density, virgin fused brown aluminum oxide abrasive. Its close sizing enables operators to consistently duplicate finishes. Fastblast® is produced to conform to **Military Specification MIL-A-21380B**, General Electric Aircraft Engine Group D50TF5, and most Pratt and Whitney Aircraft PMC Specifications.



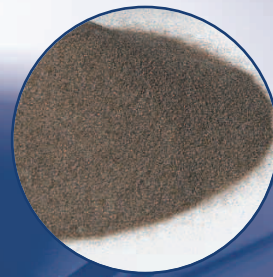
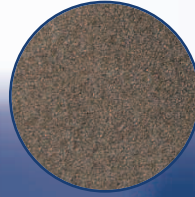
Applications:

Fastblast® is designed for the pressure blasting of materials of almost every type, including: glass, granite, marble, and ceramic and it is also used for the preparation of surfaces prior to painting or bonding; as well as for light deburring, scale removal, and the generation of matte finishes

FEATURES	BENEFITS
Outstanding physical properties with multiple, sharp cutting edges	Faster cutting and surface smoothing, shorter work cycles, increased production
Maximum resistance to breakdown with highly uniform strength	Allows for repeated use for increased cost effectiveness, less dust and less clean-up for lower disposal costs
Consistent, high quality, virgin grain	Predictable, repeatable blasting results
No free crystalline silica	No silicosis hazard to workers
Liquid honing capabilities	Finer, matte-like finish than is obtainable by dry blasting
Low iron content	Eliminates danger of rust-staining

Grit Sizes Available		
Grit Size	Inches	Microns
16	0.0430	1092
20	0.0370	940
24	0.0270	686
30	0.0220	559
36	0.0190	483
46	0.0140	356
54	0.0120	305
60	0.0100	254
80	0.0065	165
100	0.0048	122
120	0.0040	102
150	0.0035	89
180	0.0030	76
220	0.0025	63

BLASTITE®



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DESCRIPTION

BLASTITE® is a tough, medium density, virgin, fused brown aluminum oxide abrasive.

APPLICATIONS

BLASTITE® is designed for the pressure blasting of materials of almost every type, including glass, granite, marble, and ceramic. It is also used for the preparation of surfaces prior to painting or bonding; as well as for light deburring, scale removal, and the generation of matte finishes. BLASTITE® is closely sized, enabling operators to consistently duplicate finishes. BLASTITE® is produced to conform to C.I.D.-A-A-59316, General Electric Aircraft Engine Group D50TF5, and most Pratt and Whitney Aircraft PMC Specifications.

TYPICAL CHEMICAL ANALYSIS

Al ₂ O ₃ (by difference)	96.00%
TiO ₂	2.70%
SiO ₂	0.70%
Fe ₂ O ₃	0.15%
CaO	0.15%
MgO	0.30%

TYPICAL PHYSICAL PROPERTIES

Crystallography	Alpha alumina, in a hexagonal crystal
Color	Brown
Specific Gravity	3.92
Knoop ₁₀₀ Hardness	2050
Shape	Blocky with sharp edges
Ball Mill Friability	50 (14 grit)
Grading (Grain)	ANSI B74.12-2001, Table 3
Bulk Density (Grain)	ANSI B74.4-1992 (R2007)

GRAIN SIZES AVAILABLE

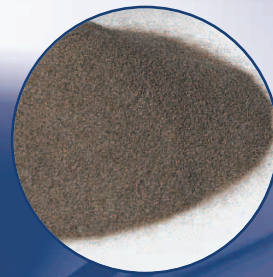
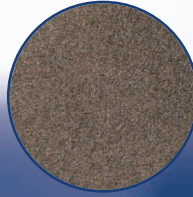
16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, 220, and 240

SIZE CURVES

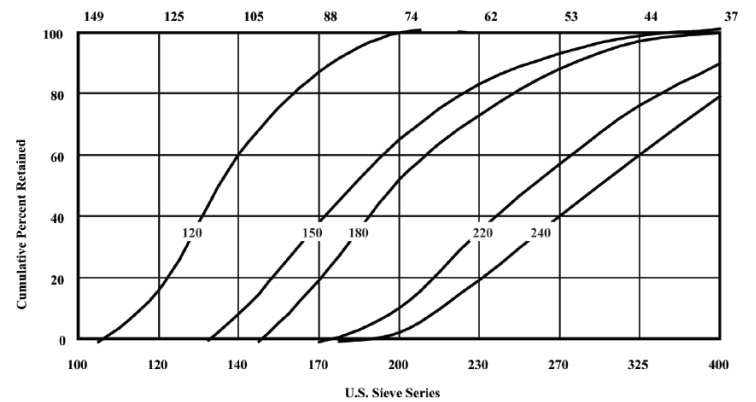
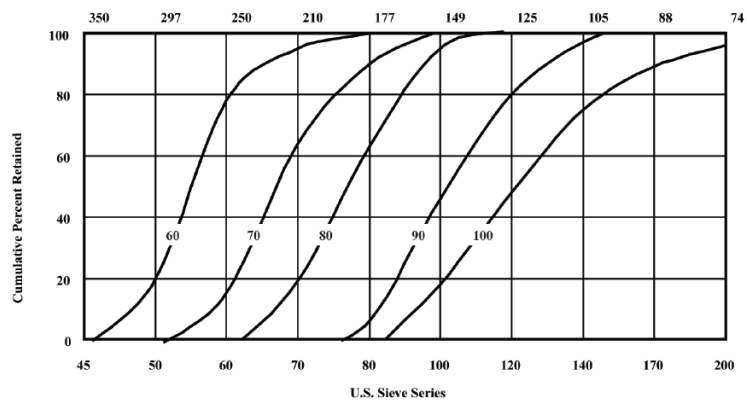
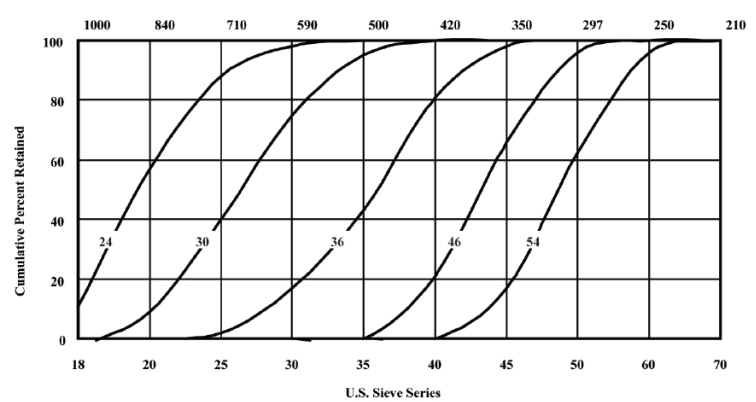
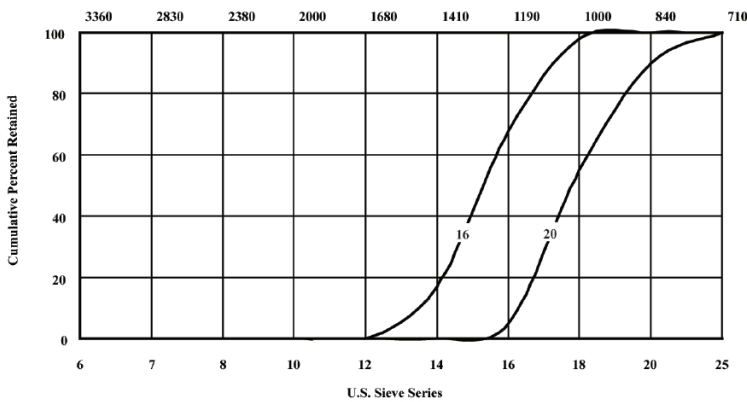
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BLASTITE® (PG. 2)



TYPICAL SIZE CURVES



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