

V-BLAST AND R-BLAST BROWN FUSED ALUMINUM OXIDE

PRODUCT FLYER

One Product. Two Price Points.

V-Blast (virgin) and R-Blast (recycled) are the same material, produced and quality-tested at the same facility.

Your application determines the price point. GMA is the only abrasive supplier in the U.S. offering both from one source.



	V-BLAST	R-BLAST
TYPE	Virgin Brown Fused Aluminum Oxide	Recycled Brown Fused Aluminum Oxide
SOURCE	Certified crude bauxite	Reclaimed from pressure blast operations
PRODUCTION	Electrothermal fusion at 2,000 degrees C	5-step reclamation process
HARDNESS	9.0 Mohs	9.0 Mohs (identical to virgin)
CHEMISTRY	Approx. 95%+ Al2O3	Identical to V-Blast
PARTICLE SHAPE	Angular, sharp-edged grain	Angular grain, consistent through reuse
LIFE CYCLE	Up to 7 times (most applications)	Up to 7 times (identical to virgin)
SIZING STANDARD	ANSI B74.12	ANSI B74.12
CERTIFICATIONS	MIL A21380 B, CID-AA-59316, CSS12, ANSI-B75.24 and GE D50TF5	MIL A21380 B, CID-AA-59316, CSS12, ANSI-B75.24 and GE D50TF5
COST VS. VIRGIN	Baseline	Over 20% savings
BEST FOR	Applications requiring virgin certification, aerospace, precision surface prep	High-volume operations where performance and cost savings both matter

OVER 20%
COST SAVINGS

Choosing R-Blast over V-Blast delivers over 20% in cost savings without sacrificing chemistry, hardness, or life cycle. Same material. Lower price.

HARDER MEDIA. MORE USES.
LOWER COST PER CYCLE.

Most buyers evaluate blasting media on price per bag. That metric ignores the variable that actually drives cost: how many times the media can be reused before it needs to be replaced. Brown fused aluminum oxide ranks at 9.0 Mohs, second only to diamond, and can be reused up to 7 times in most applications. Single-use media like coal slag goes in the waste bin after one blast, disposal cost included. The math changes significantly over a production run.

MEDIA	MOHS HARDNESS	REUSE CYCLES	COST PER CYCLE
Diamond	10.0	Reference only	Reference only
V-Blast / R-Blast (GMA)	9.0	Up to 7	Lowest over time
Silicon Carbide	9.0-9.5	4-6	Moderate
Steel Grit	7.0-8.0	Up to 200+ (wheel blast)	Low at volume
Garnet	6.5-7.7	3-5	Moderate
Coal Slag	5.0-6.0	1 (single-use)	Higher than listed price
Standard SAE Steel Shot	6.0-8.0	200-300 (wheel blast)	Low at volume
Nu-Soft Steel Shot (GMA)	3.0-3.5 (approx.)*	2x standard SAE shot	Application-dependent

**Nu-Soft hardness is rated at 12-15 Rockwell C. Mohs equivalent is approximate. Both V-Blast/R-Blast and Nu-Soft are available through GMA Industries.*

REUSABLE UP TO 7 TIMES

Single-use alternatives like coal slag go in the waste bin after one blast. Brown fused aluminum oxide can be reused up to 7 times in most applications, with disposal costs incurred only once. Price per bag is the wrong metric. Cost per cycle is what matters.

**SEE FULL PRODUCT
SPECS ONLINE**

V-Blast and R-Blast product pages, technical data sheets, and the full GMA product line are available at gmaind.com. If you have a specific application or need help selecting the right grit size, our team responds the same day.

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