

EXPERIENCE EXCELLENCE



DATA SHEET

● GRITTAL GM

Angular crushed reusable abrasive made of high-alloy cast stainless steel. Due to the **hard-tough microstructure**, its angular grain shape is essentially retained during blasting. As a result, this abrasive provides an **ideal combination of cleaning performance, service life, and extremely low dust.**

APPLICATIONS

Surface preparation for coatings, roughening and structuring, heavy de-scaling, cleaning and sweep blasting, paint stripping and de-coating.

MATERIALS / SUBSTRATES

- High and low alloy steels
- Aluminum, bronze, brass and zinc
- Titanium and nickel-based alloys

BLASTING SYSTEMS

Applicable in all industrial blasting systems.

STANDARD / CERTIFICATES

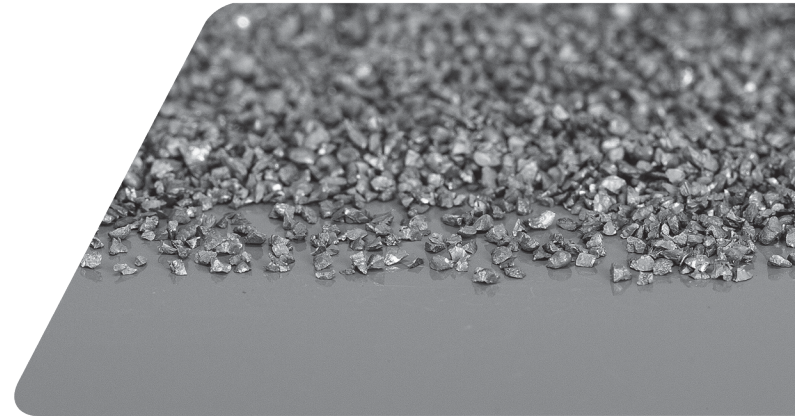
Manufacturer standard, based on the norms.
ISO 11124, ISO 11125 and ISO 6507.
ISO 9001, ISO 50001, ISO 14001.

PACKAGING

- 55 lb Bag
- 1100 lb Pallet
- 1760 lb Metal Drum
- Other packaging available upon request

Subject to change without notice.

All specifications are only a general description of the products.



CHEMICAL ANALYSIS

C 1.9-2.1% Cr 30-33% Si 0.7-1.0%

PHYSICAL PROPERTIES

Bulk density	250 lbs./ft ³
Hardness new material	~58 HRC (~660 HV)
Conductivity	< 25 µS/cm
Chloride content	< 1 ppm

MICROSTRUCTURE

Martensitic with chromium carbides.

SIZES

	MM	INCHES
GM09	0.050 - 0.090 mm	0.002 - 0.004 "
GM10	0.050 - 0.200 mm	0.002 - 0.008 "
GM20	0.090 - 0.315 mm	0.004 - 0.013 "
GM30F	0.200 - 0.400 mm	0.008 - 0.016 "
GM30	0.140 - 0.500 mm	0.006 - 0.020 "
GM40	0.400 - 0.800 mm	0.016 - 0.031 "
GM50	0.600 - 1.000 mm	0.024 - 0.039 "
GM60	0.700 - 1.250 mm	0.028 - 0.049 "
GM100	1.000 - 1.400 mm	0.039 - 0.055 "
GM150	1.250 - 1.700 mm	0.049 - 0.067 "
GM200	1.400 - 2.000 mm	0.055 - 0.079 "
GM300	1.700 - 3.000 mm	0.067 - 0.118 "

See reverse for Grittal GM advantages

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ADVANTAGES

Blast Media Cost Savings:

- 50-80% savings due to less consumption

Stable Blasting Operation:

- slow abrasive breakdown
- consistent surface finish or roughness profile
- work mix easy to maintain

Dust Free:

- lower disposal cost (very important if contaminated)
- improved workplace environment
- vastly improves visibility in blast room
- shorter blast times and less rework
- less dust = less wear and tear

Stainless Steel Media & Corrosion Resistant in Use:

- bright surface finish
- suitable for use in slurry blast systems

Suitable for Use in Centrifugal Wheel Machines:

- lowest per unit blasting cost and high performance



Additional Cost Savings:

- at least 50% savings related to lower nozzle, hose and filter consumption
- reduced downtime/cost related to maintenance of blast system wear components
- lower dust disposal cost

Potential for Dust Recycling:

- recover a small amount of the media cost

CONSUMPTION & COST COMPARISONS

CONVENTIONAL GRIT BLAST MEDIA TYPES	CONSUMPTION RATIO vs Grittal GM	PRICE RATIO vs Grittal GM
Brown Aluminum Oxide	25 to 1	1 to 5
Garnet	50 to 1	1 to 12
10X (KinetiX / EpiX)	30 to 1	1 to 8
Glass Beads	40 to 1 (vs FINAL)	1 to 5 (vs FINAL)



Blasting with Grittal



Blasting with mineral abrasives