

Ebonygrit

BENEFITS OF EBONYGRIT:

Due to the High Density, Ebonygrit distinguishes from lighter-weight blasting slag

The High Density contributes to:

- very high cleaning speed
- very low dust level
- lower abrasive consumption
- no detectable “crystalline silica”

OPTA MINERALS FOR ALL YOUR BLASTING ABRASIVE NEEDS:

- Aluminum Oxide
- Blackblast - Coal Slag
- Corn Cobs
- Crushed Glass
- Iron Grit
- Ebonygrit Copper Slag
- Glass Beads
- Garnet
- Stainless Steel Shot & Grit
- Super Steel Shot & Grit
- Ultrablast - Nickel Slag
- Plastic Media
- Powerblast LS - Staurolite
- Walnut Shells
- Blast Cleaning Equipment

Information Bulletin

A High Density Blasting Slag

Ebonygrit is produced from a by-product of the manufacturing of copper, which is processed into an abrasive by Opta Minerals.

Typically it is composed of ferrosilicate (Fayalite, Fe_2SiO_4) material and oxides, formed when the molten slag is quenched in cold water. This cooling process fractures the slag into coarse and angular particles, making it an ideal blasting slag with optimal blasting properties.

Available sizes and uses:

#EG 12 - provides 3.5-5.0 Mil profile*

The ultimate size for the tough heavy duty blast job on Ships, Bridges, Tanks, Rail Cars, etc.

Suitable for removal of thick, tough old paint, heavy rust and for achieving a coarse profile.

#EG 14 - provides 2.8-4.0 Mil profile*

An All-Purpose size for structural steel, bridges, tanks, ships, watertowers etc.

#EG 20 - provides 1.5-3.0 Mil profile*

A utility size for all kind of blasting jobs. Suitable for the removal of light rust and paint and mill scale.

Appearance:

Color:	lustrous black	
Bulk Density:	135 #/ft ³	
Specific Gravity:	3.8	
Grain Shape:	angular	
Hardness:	7	
Solubility:	insoluble	

Technical Data:

Iron Oxide	Fe_2O_3	~ 57.0%
Silicon Dioxide (total)	SiO_2	~ 29.5%
Aluminum Oxide	Al_2O_3	~ 5.0%
Calcium Oxide	CaO	~ 3.5%
Zinc	Zn	~ 2.5%

Magnesium Oxide	MgO	~ 1.0%
Copper	Cu	~ 1.0%
Lead	Pb	0.1 - 0.5 %
Loss in Ignition	LOI	< 0.01%

Approval

Air Resources Board:

Certified California Environmental Protection Agency (CARB)

How does Ebony Grit perform?

Cleaning rate:

ranges between 295-360ft/hour*

Consumption rate:

ranges between 4.10-7.35lb/ft*

* depending on blasting pressure and nozzle size

Packaging

55lb bags, 56 bags (1.54NT) / pallet.

3000lb supersacs

Bulk by blower truck or rail hopper cars

OPTA MINERALS has production and warehouse facilities in the following locations:

Waterdown, ON; Lachine, QC;
 St-Bruno-de-Guigues, QC; Brantford, ON;
 St-Germain-de-Grantham, QC; Norfolk, VA;
 New Orleans, LA; Los Angeles, CA;
 Hardeeville, SC; Attica, NY; Baltimore, MD;
 Keeseville, NY; Walkerton, IN; Milan, MI;
 Richfield, OH.