

TECHNICAL DATA SHEET

Ebony Grit 14

Ebony Grit is produced from a by-product of the combustion of copper, which is processed into abrasive products by Opta Minerals Waterdown. Typically it is composed of ferrosilicate (Fayalite, Fe_2SiO_4) material and metal oxides, formed when the molten slag is quenched in cold water. This cooling process fractures the slag into coarse, angular particles making it an ideal choice in many abrasive applications.

Typical Chemical Analysis (%):

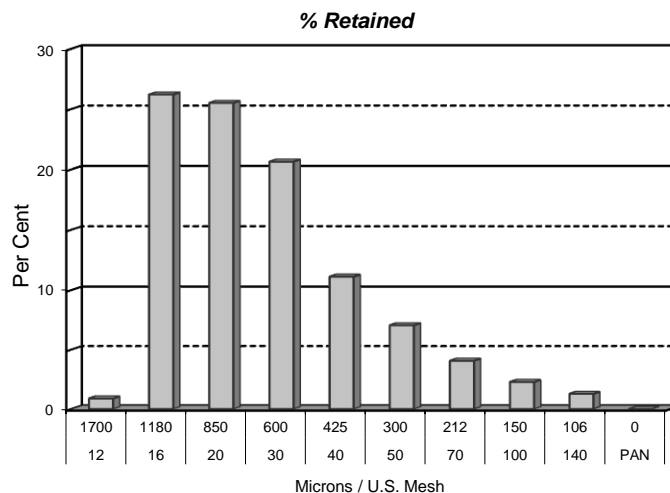
Iron Oxide	Fe_2O_3	~ 53.9
Silicon Dioxide (total)	SiO_2	~ 33.8 *
Aluminum Oxide	Al_2O_3	~ 5.26
Calcium Oxide	CaO	~ 2.1
Magnesium Oxide	MgO	~ 1.5
Zinc	Zn	~ 0.5
Loss on Ignition	LOI	< 0.01
* Crystalline Silica		~ 0.3

Typical Physical Properties:

Colour	Black	Grain Shape	Angular
Bulk Density (loose)	117 lbs./ft. ³	Moh Hardness	7
Bulk Density (compacted)	132 lbs./ft. ³	Melting Point	na

Typical Gradation:

US Mesh	Microns	Per Cent	
		Retained	Passing
12	1700	0.9	99.1
16	1180	26.4	72.7
20	850	25.9	46.8
30	600	20.7	26.1
40	425	11.1	15.0
50	300	7.1	7.9
70	212	4.4	3.8
100	150	2.3	1.5
140	106	1.2	0.9
PAN	0	0.0	0.0



DISCLAIMER:

The information contained in this technical data sheet is representative of the typical analysis of the product, but may vary due to sampling and or sample segregation.

Opta Minerals Inc. assumes no liability arising out of the use of this product by others.