

## BTTX >> BROWN ALUMINUM OXIDE

Brown Fused Alumina ( $Al_2O_3$ ) for Refractory & Abrasive

BTTX is a brown aluminum oxide obtained from the reduction of high quality bauxite in an electric arc furnace.

### Applications:

Due to its high toughness, BTTX is recommended for use in bonded abrasives (grinding wheels, cutoff wheels, points, etc....), coated abrasives (paper & clothe), blasting abrasives, as well as refractory applications.

### Typical Physical Properties

True Specific Gravity	Melting Point	Hardness (Knoop - 100)
3,92 g/cc	3,668°F 2,020°C	2,100 kgf/mm <sup>2</sup> 9 Mohs
Toughness (ANSI-B74.8.1987)	Color	Fired Color
50	Brown	Blue
Crystal Structure		
a - alumina macro crystals from trigonal class, hexagonal system		

### High Density Products - Range (g/cc)

Grit Size	Min - Max
16	1.98 - 2.08
20	1.94 - 2.04
24	1.91 - 2.01
30	1.88 - 1.98
36	1.82 - 1.92
46	1.80 - 1.90
54	1.79 - 1.89
60	1.77 - 1.87
70	1.74 - 1.84
80	1.69 - 1.79
90	1.67 - 1.77
100	1.67 - 1.77
120	1.65 - 1.75

### Typical Chemical Analysis (%)

Al <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO	CaO	Na <sub>2</sub> O	K <sub>2</sub> O
95.62	2.84	0.78	0.20	0.33	0.11	0.07	0.05

### Available Sizes

Mesh	Macro
Refractory Split Sizes	16, 20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, 220 grits

Other sizes available upon request

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