

DATA SHEET

PRODUCT:

Brown Aluminum Oxide

BRAND NAME:

BTTX

DESCRIPTION AND USE:

BTTX is a brown aluminum oxide obtained from a reduction fusion of high quality bauxites in electric arc furnaces. Due to its high toughness, BTTX is recommended for refractory applications, blasting, grinding wheels and coated abrasives.

Typical Chemical Analysis (%)

Al ₂ O ₃	95.7
TiO ₂	2.41
SiO ₂	0.95
Fe ₂ O ₃	0.14
MgO	0.24
CaO	0.39
Na ₂ O	0.02
K ₂ O	0.15

Color: Brown

Fired Color (1300°C): Blue

Crystalline Structure: α-alumina macro crystals from trigonal class, hexagonal system.

Fusion Temperature (°C): 2020

Toughness (ANSI-B. 74.8.1987) : 50

Hardness: Knoop-100 - 2100 Kg/mm², Knoop-50 -3000 Kg/mm², Mohs - 9