



## TB — BROWN ALUMINUM OXIDE

### BROWN FUSED ALUMINA (AL<sub>2</sub>O<sub>3</sub>) FOR REFRACTORIES

#### **ABOUT:**

TB is a brown fused aluminum oxide obtained from the fusion of high purity bauxites in electric arc furnaces. It presents an excellent cost/benefit relation, being recommended for refractory application where a high iron content is not an issue.

TYPICAL CHEMICAL ANALYSIS	
Al <sub>2</sub> O <sub>3</sub>	96.25%
TiO <sub>2</sub>	1.60
SiO <sub>2</sub>	1.00
Fe <sub>2</sub> O <sub>3</sub>	0.78
MgO	0.06

TYPICAL PHYSICAL PROPERTIES	
Crystal Structure:	α-alumina
Melting Point:	2020° C
Color:	Brown
Specific Gravity:	3.94 g/cc
Reversible Linear Expansion:	1.42% at 1400° C

App. Porosity & App. Specific Density by ASTM C 20-00

AVAILABLE SIZES	
MESH	METRIC (μm)
TPF II	- 212
200 MF	- 75
325 MF	- 45
*Other sizes available upon request	

# USEM

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