

## TB - BROWN ALUMINUM OXIDE

Friable Brown Fused Alumina ( $Al_2O_3$ ) for coated abrasives

TB is a friable brown fused aluminum oxide obtained from the fusion of high purity bauxites in electric arc furnaces. TB presents an excellent cost/benefit relation, being recommended for wood and dry wall coated abrasives.

### Typical Physical Properties

True Specific Gravity	Knoop 100 Hardness	Toughness (ANSI-B74.8R2007)
3.96 g/cm <sup>3</sup>	1,900 kg/cm <sup>2</sup>	38%

### Typical Chemical Analysis by XRF (%)

$Al_2O_3$	$TiO_2$	$SiO_2$	$Fe_2O_3$	MgO
96.30	1.63	0.94	0.77	0.12

### Types of Treatment

Not Treated	Red Coated (RC)*	Silane Treated (ST)*
TB L	TBRC L	TBST L

### Bulk Density (g/cm<sup>3</sup>)

Grit Size	L
12	1,75 - 1,85
16	1,75 - 1,85
20	1,74 - 1,84
24	1,74 - 1,84
30	1,74 - 1,84
36	1,72 - 1,82
40	1,71 - 1,81
50	1,69 - 1,79
60	1,67 - 1,77
80	1,65 - 1,75
100	1,63 - 1,73
120	1,61 - 1,71
150	1,59 - 1,69
180	1,58 - 1,68
220	1,57 - 1,67

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 \*Treatment (RC or ST) can affect bulk density by  $\pm 0.05$  g/cm<sup>3</sup>

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