

TB - BROWN ALUMINUM OXIDE

Friable Brown Fused Alumina (Al_2O_3) for bonded 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 resin-bonded abrasives.

Typical Physical Properties

True Specific Gravity	Knoop 100 Hardness	Toughness (ANSI-B74.8R2007)
3.96 g/cm ³	1,900 kg/cm ²	62%

Typical Chemical Analysis by XRF (%)

Al_2O_3	TiO_2	SiO_2	Fe_2O_3	MgO
96.97	1.61	1.05	0.85	0.16

Types of Treatment

	Not Treated	Red Coated (RC)*	Silane Treated (ST)*
Blocky	TB R	TBRC R	TBST R
Super Blocky	TBHD R	TBHDRC R	TBHDST R

Bulk Density (g/cm³)

Grit Size	(R) cubic
10	1.79
12	1.79
14	1.78
16	1.77
20	1.75
22	1.75
24	1.74
30	1.73
36	1.72
40	1.72
46	1.71
54	1.71
60	1.69
70	1.69
80	1.69
90	1.66
100	1.67
120	1.66
150	1.62
180	1.61
220	1.60

FEPA 44 - 1:2006
 *Treatment (RC or ST) can affect bulk density by ± 0.05 g/cm³

The information contained in this data sheet has been determined through the application of accepted engineering practice and is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results to be obtained from use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will make your own tests to determine the suitability of the product for your particular use.

