TB – Brown Aluminum Oxide

FRIABLE BROWN FUSED ALUMINA (AL_2O_3) FOR COATED ABRASIVES

ABOUT:

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 CHEMICAL ANALYSIS	
Al_2O_3	96.30%
TiO_2	1.63
SiO_2	0.94
Fe_2O_3	0.77
MgO	0.12

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity:	3.96 g/cc
Knoop 100 Hardness:	1900 kg/cm^2
Toughness:	38% (ANSI-B74.8 R2007)

TYPES OF TREATMENT	
Treatment	***SHAPE***
	Angular
Not Treated	TB L
Red Coated (RC)*	TBRC L
Silane Treated (ST)*	TBST L

BULK DENSITY (g/cc)

Grit Size	L	Grit Size	L
12	1.75 - 1.85	60	1.67 - 1.77
16	1.75 - 1.85	80	1.65 - 1.75
20	1.74 - 1.84	100	1.63 - 1.73
24	1.74 - 1.84	120	1.61 - 1.71
30	1.74 - 1.84	150	1.59 - 1.69
36	1.72 - 1.82	180	1.58 - 1.68
40	1.71 - 1.81	220	1.57 - 1.67
50	1.69 - 1.79		

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*Treatment (RC or ST) can affect bulk density by ± 0.05 g/cm^3

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GRUPO CURIMBABA

Updated: 04/13

TB – Brown Aluminum Oxide

FRIABLE BROWN FUSED ALUMINA (AL_2O_3) MICROGRITS FOR COATED ABRASIVES

ABOUT:

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 CHEMICAL ANALYSIS	
Al_2O_3	95.52%
TiO_2	1.98
SiO_2	0.97
Fe_2O_3	0.83
MgO	0.29

TYPICAL PHYSICAL PROPERTIES	
Specific Gravity:	3.96 g/cc
Knoop 100 Hardness:	1900 kg/cm^2

GRIT SIZE SPECIFICATIONS

Grit	Ds 0 (µm) Maximum	Ds 3 (µm) Maximum	Ds 50 (µm)		Ds 94 (µm) Minimum
			Minimum	Maximum	
F240	110.0	81.7	56.5	60.5	44.5
F280	101.0	74.0	50.2	54.2	39.2
F320	94.0	66.8	44.7	47.7	34.2
F360	87.0	60.3	39.0	42.0	29.6
F400	81.0	53.9	33.5	36.5	25.2
F500	77.0	48.3	28.7	31.7	21.5
F600	72.0	43.0	24.8	26.8	18.0
F800	67.0	38.1	20.8	22.8	15.1

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*Other grit sizes available upon request

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