

TBST - R (Macro) >> BONDED

Brown Fused Aluminum Oxide

TBST is a semi-friable fused aluminum oxide obtained by a reductive fusion of high quality bauxites in electric arc furnaces. The grits are coated with a special silan compound improving their capacity to bond each other in resin bonded cutting-off discs. Produced according to ANSI or FEPA-F.

General Characteristics

True Specific Gravity	Friability (ANSI-B74.8R2007)
3.96 g/cm ³	62%

Chemical Analysis by XRF (%)

Al ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	MgO
96.97	1.61	1.05	0.85	0.16

Bulk Density (g/cm³)

Grit Size	(R) cubic	(HD) super cubic
10	1.77	1.88
12	1.77	1.88
14	1.78	1.89
16	1.76	1.87
20	1.74	1.85
22	1.74	1.85
24	1.73	1.84
30	1.72	1.83
36	1.72	1.83
40	1.71	1.82
46	1.71	1.82
54	1.70	1.81
60	1.68	1.79
70	1.68	1.79
80	1.68	1.79
90	1.67	1.78
100	1.66	1.77
120	1.66	1.77
150	1.60	1.71
180	1.60	1.71
220	1.59	1.69

FEPA 44 - 1:2006