

Brown Fused Aluminum Oxide

BT

BT is a brown fused aluminum oxide obtained by a reduction fusion of high quality bauxites in electric arc furnaces. Due to its high toughness, BT is recommended for high performance grinding wheels.

General Characteristics

True Specific Gravity g/cm ³	Hardness (Knoop – 100) kgf/cm ²
3.96	1,850

Chemical Analysis by XRF (%)

AL ₂ O ₃	TiO ₂	SiO ₂	Fe ₂ O ₃	MgO
94.76	3.10	1.12	0.35	0.37

Grit Size

	Ds 3	Ds 50		Ds 94
	Max.	Min.	Max.	Min.
F - 230	82.00	50.00	56.00	34.00
F - 240	70.00	42.50	46.50	28.00
F - 280	59.00	35.00	38.00	22.00
F - 320	49.00	27.70	30.70	16.50
F - 400	32.00	16.30	18.30	8.00
F - 500	25.00	11.80	13.80	5.00
F - 600	19.00	8.30	10.30	3.00
F - 800	14.00	5.50	7.50	2.00
F - 1000	10.00	3.70	5.30	1.00
F - 1200	7.00	2.50	3.50	1.00

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*Other grit sizes upon request.

The values informed above are typical, for further information contact Applications Engineer Department.

Telephone: +55 19 3634-2366 - e-mail: qualidade@elfusa.com.br - www.elfusa.com.br