IMEXCO Minerals

Brown Fused Aluminium Oxide

Our Type: NK-U

sieving acc. Fepa F*

Description:

Our brown fused aluminium oxide is obtained by fusion of bauxites in an electric arc furnace. The material is washed and therefore especially low in dust content. High hardness and a high fusion point result in the typical abrasive and refractory properties.

Application:

- Resinoid bonded grinding wheels
- Blasting

Characteristics:

Spec. gravity:	3.94 g/cm³	Fusion point:	2020 °C
Hardness:	9 (Mohs)		

Chemical Analysis (typical):

Al_2O_3	TiO_2	SiO_2	Fe_2O_3	CaO + MgO
93.5 - 95%	2.5 - 3.2%	0.5 - 0.8%	0.4%	0.4 - 0.8%

Available Grits and Bulk Densities (g/cm³):

Grit	min.	max.	Grit	min.	max.
F 12	1.88	1.98	**F 54**	1.73	1.83
F 14	1.86	1.96	**F 60**	1.73	1.83
F 16	1.84	1.94	**F 70**	1.72	1.82
F 20	1.83	1.93	**F 80**	1.70	1.80
F 22	1.82	1.92	**F 90**	1.68	1.78
F 24	1.80	1.90	**F 100**	1.66	1.76
F 30	1.78	1.88	**F 120**	1.64	1.74
F 36	1.76	1.86	**F 150**	1.64	1.74
F 40	1.74	1.84	**F 180**	1.64	1.74
F 46	1.73	1.83	**F 220**	1.64	1.74

Packing:

In 25-kg-bags on pallets of 1 MT shrinkfoiled or in 1 MT Big Bags.

This technical information is given according to today's knowledge and can be subject to changes.

*Sieving is determined according to Fepa Standard 42-1:2006; bulk density according to ISO 9136-1.

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17.12.2019

SGS TÜV SAAR ISO 9001