Semi Friable Fused Aluminium Oxide

Our Type:
HEK-BAL
sieving acc. FEPA F*

Description:

Our semi friable fused aluminium oxide is obtained from the fusion of high purity bauxites in an electric arc furnace. It presents excellent toughness and other abrasive properties. Treatment may affect the typical chemical analysis, specifically Fe_2O_3 content.

Application:

- Vitrified grinding wheels
- Resinoid bonded grinding wheels

Available Treatments:

Treatment	MD	HD
not treated	HEK-BALMD	HEK-BALHD
coated	HEK-BALMDC	HEK-BALHDC

Characteristics:

Spec. gravity: 3.94 g/cm³ Fusion point: 2020 °C

Chemical Analysis (typical):

Al_2O_3	TiO_2	SiO_2	Fe_2O_3	MgO
97.74%	1.29%	0.51%	0.13%	0.05%

Available Grits and Bulk Densities (g/cm³)*:

Grit	MD	HD	Grit	MD	HD
F 12	1.83 - 1.92	1.87 - 1.97	**F 60**	1.66 - 1.75	1.75 - 1.85
F 14	1.83 - 1.92	1.87 - 1.97	**F 70**	1.64 - 1.73	1.71 - 1.81
F 16	1.82 - 1.91	1.87 - 1.97	**F 80**	1.62 - 1.71	1.69 - 1.79
F 20	1.80 - 1.89	1.87 - 1.97	**F 90**	1.60 - 1.69	1.67 - 1.77
F 24	1.78 - 1.87	1.84 - 1.94	**F 100**	1.59 - 1.69	1.66 - 1.76
F 30	1.76 - 1.85	1.84 - 1.94	**F 120**	1.58 - 1.67	1.64 - 1.74
F 36	1.74 - 1.83	1.83 - 1.93	**F 150**	1.55 - 1.65	1.61 - 1.71
F 40	1.72 - 1.81	1.80 - 1.90	**F 180**	1.51 - 1.61	1.60 - 1.70
F 46	1.70 - 1.79	1.80 - 1.90	**F 220**	1.51 - 1.61	1.60 - 1.70
F 54	1.68 - 1.77	1.78 - 1.88			

Treatment can affect bulk density up to ± 0,05 g/cm³

Packing:

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

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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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