

Monocrystal Fused Alumina

Our Type:
MCC-CDA
sieving acc. FEPA F*

Description:

Our monocrystal fused alumina is obtained by the fusion of high purity bauxites under the addition of iron sulfide in an electric arc furnace. The product is characterised by very high toughness, a self-sharpening effect due to uniform cutting edges and a cool cut.

Application:

- Resinoid bonded grinding wheels
- Vitrified grinding wheels

Characteristics:

Spec. gravity: 3.98 g/cm³ Fusion point: 2050 °C
Hardness: 9 (Mohs)

Chemical Analysis (typical):

Al ₂ O ₃	Na ₂ O	TiO ₂	SiO ₂	Fe ₂ O ₃
99.20%	max. 0.39%	max. 0.58%	max. 0.49%	max. 0.2%

Available Grits and Bulk Densities (g/cm³):

Grit	min.	max.	Grit	min.	max.
F 16	1.80	1.95	F 70	1.73	1.88
F 20	1.80	1.95	F 80	1.70	1.85
F 24	1.80	1.95	F 90	1.70	1.85
F 30	1.80	1.95	F 100	1.67	1.82
F 36	1.80	1.95	F 120	1.63	1.78
F 46	1.80	1.95	F 150	1.57	1.72
F 54	1.78	1.93	F 180	1.54	1.69
F 60	1.75	1.90	F 220	1.50	1.65

Packing:

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

01.01.2024

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.