

Zirconia Alumina 25%

Our Type: ZK25-CBALD

sieving acc. Fepa F*

Description:

Our zirconia alumina primarily consists of Al_2O_3 and 25% of zirconium dioxide. Fusion is conducted in an electric arc furnace roughly analogous to other types of aluminium oxides. Compared to other aluminium oxides, toughness is higher resulting in a higher wear resistance.

Application:

- Vitrified grinding wheels
- Resinoid bonded grinding wheels
- Blasting

Characteristics:

Spec. gravity:	4.2 g/cm ³	Fusion point:	approx. 2000 C°
Hardness:	8 (Mohs)	Grain shape:	sharp

Chemical Analysis (typical):

Al_2O_3	ZrO_2	SiO_2	Fe_2O_3	TiO_2
>68.0%	20.0-28.0%	<0.60%	<0.50%	<0.50%

Available Grits and Bulk Densities (g/cm³):

Grit	min.	max.	Grit	min.	max.
F 6	2.20	2.35	F 30	1.97	2.12
F 8	2.19	2.34	F 36	1.95	2.10
F 10	2.18	2.33	F 46	1.92	2.07
F 12	2.16	2.31	F 54	1.90	2.05
F 14	2.12	2.27	F 60	1.87	2.02
F 16	2.10	2.25	F 70	1.85	2.00
F 20	2.05	2.20	F 80	1.83	1.98
F 24	1.99	2.14	F 90	1.80	1.95

Other grits on request

Packing:

In 25-kg-bags on pallets of 1 to 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 9136-1.