

Brown Corundum

Technical Data



Description

Brown corundum is manufactured in an electric arc furnace by the fusion and reduction of calcined bauxite, giving high quality durable abrasive having a low metallic iron contents.

Main uses

- Manufacturing of organic bonded grinding wheels
- Pressure blasting

Physical characteristics

- | | | | |
|-------------------------------|-----------------------|------------------------------|---------------|
| - Colour: | Brown/grey | - Crystal Form: | Alpha Alumina |
| - True Specific Gravity | 3,95g/cm ³ | - Shape..... | Blocky |
| - Hardness..... | 9 Mohs scale | - Melting Temperature: | 2050°C |

Typical Chemical Analysis

- | | | | |
|--|---------|--|--------|
| - Al ₂ O ₃ | 95,50 % | - Fe ₂ O ₃ | 0,20 % |
| - TiO ₂ | 2,80 % | - CaO+MgO | 0,50 % |
| - SiO ₂ | 0,80 % | | |

Grit sizes

From F12 to F180 in accordance with FEPA norm 42F 1984.

Packing

25 Kg paper bags

Refer to Material Safety Data Sheet.

Bulk Density (g/cm³)

Grain	Min.	Max.
F8	1,88	1,98
F 10	1,88	1,98
F 12	1,84	2,00
F 14	1,82	1,98
F 16	1,80	1,96
F 20	1,79	1,95
F 22	1,81	1,91
F 24	1,78	1,93
F 30	1,75	1,90
F 36	1,74	1,89
F 40	1,70	1,85

Grain	Min.	Max.
F 46	1,68	1,83
F 54	1,67	1,82
F 60	1,65	1,80
F 70	1,62	1,77
F 80	1,58	1,73
F 90	1,56	1,71
F 100	1,54	1,70
F 120	1,52	1,68
F 150	1,50	1,66
F 180	1,48	1,64
F 220	1,45	1,63