

White corundum

Technical Data



Description

White corundum (white fused alumina) is manufactured in an electric arc furnace by the fusion of a controlled quality pure grade of calcined alumina.

Application

Impact finishing, bonded abrasives, lapping and polishing compounds, blasting media, dip and stucco coats for investment casting moulds, dental applications.

Typical chemical analysis

AL ₂ O ₃	99,6 %	CaO	0,01 %
SiO ₂	0,02 %	Na ₂ O.....	0,20 %
Fe ₂ O ₃	0,03 %	K ₂ O	0,01 %
TiO ₂	0,1 %	MgO	Traces

Physical data

- Color	White	- Coefficient of Thermal Expansion :	
- Specify gravity	3.94	6x10 ⁻⁶	per °C (20-100°C)
- Hardness :		8.5x10 ⁻⁶	per °C (20-1.000°C)
1800 – 2300 K ₁₀₀	9 Moh's Scale		

Availability

FEPA Grain Sizes.

10	12	14	16	20	24	30	36	46	54
60	70	80	90	100	120	150	180	220	230
240	280	320	360	400	500	600	800	1000	1200