

Optical Aloxite

Technical Data



Description :

Optical Aloxite is a medium density, fused, brown aluminum oxide.

Used in optical glass finishing operations. Also used in other finishing operations where micron sized abrasives are required, precision lapping of ceramics, glass, quartz, germanium, silicon, tungsten carbide and a variety of hard metals can be effectively achieved with these powders.

Typical chemical analysis :

Al ₂ O ₃ (by diff.)	96	%
TiO ₂	3	%
SiO ₂	0.54	%
Fe ₂ O ₃	0.17	%
ZrO ₂	0.18	%
CaO	0.11	%

Physical data :

Crystallography :	Alpha alumina in the trigonal class of the hexagonal systems.
Particle specific Gravity :	3.84 gm/cc
Knoop Hardness Number :	2090
Shape :	Blocky

Availability :

Ref.	FEPA	Value			
225	F 400	17μ +/- 1	95	F 800	6,5μ +/- 1
175	F 500	13μ +/- 1	50	F 1000	4,5μ +/- 0,8
125	F 600	9μ +/- 1	40	F 1200	3 μ +/- 0,5

Packing :

Carton of 25 Kg – Box of 5 Kg