

ALP

Off White Fused Aluminum Oxide

ALP is a off white fused aluminum oxide obtained from the fusion of calcined alumina and small quantities of chromium oxide in electric arc furnaces. It is recommended for refractory applications where chemical stability and high refractoriness need to be considered.

General Characteristics

True Specific Gravity	Melting Point	Crystalline Structure	Color
3,91 g/cm ³	2.020 °C	Alpha Alumina	Pinkish-gray

Chemical Analysis by XRF (%)

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	Na ₂ O	Cr ₂ O ₃
99,19	0,19	0,10	0,41	0,08

Typical Physical Properties

Apparent Porosity	Apparent Specific Density	Reversible linear thermal expansion 1.400 °C
8,61%	3,58 g/cm ³	1,3%

Apparent Porosity and Apparent Specific Density by ASTM Designation C 20-00.

Grit Size

Size (astm)	Size (mm)
3/4" / 5/16"	19,1 - 8,00
5/16" / 4	8,00 - 4,75
4 / 10	4,75 - 2,00
10 / 20	2,00 - 850 µm
10 / 40	2,00 - 425 µm
20 / 40	850 - 425 µm
40 / 200	425 - 75 µm
TPF II	- 212 µm
200 MF	- 75 µm
325 MF	- 45 µm

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* Other grit sizes upon request.