



akcihan

Technical Data Sheet

White Fused Aluminum Oxide

White aluminum oxide (White Aluminium Oxide) is a type of aluminum oxide. It has a chemical formula of Al_2O_3 and is found in the form of white powder or grains. White aluminum oxide is produced with high purity by grinding and processing the aluminum mineral known as bauxite. White aluminum oxide has high hardness, abrasion resistance, and thermal stability. Due to these properties, it is suitable to use in wide applications in various industries. It is particularly preferred for surface cleaning, surface preparation, pre-coating processes, sandblasting, grinding, and cutting applications. It is also used in the production of refractory materials, ceramics, polishing compounds, and other industrial applications.

Applications

- Sandblasting
- Grinding – Metal preparation
- Refractory
- Sandpaper – Cloth and Polishing

Available Sizes

Fepa Standards	Micron (μm)
F008	2000 - 2800
F010	1700 - 2360
F012	1400 - 2000
F014	1180 - 1700
F016	1000 - 1400
F020	850 - 1180
F022	710 - 1000
F024	600 - 850
F030	500 - 710
F036	425 - 600
F040	355 - 500
F046	300 - 425
F054	250 - 355
F060	212 - 300
F070	180 - 250
F080	150 - 212
F090	125 - 180
F100	106 - 150
F120	90 - 125
F150	63 - 106
F180	63 - 90
F220	53 - 75

Chemical Analysis

Compound	Percent (%)
Al_2O_3	99,73
Na_2O	0,14
Fe_2O_3	0,03
SiO_2	0,01
CaO	0,02
TiO_2	0,02
MgO	0,01

Physical Properties

Sertlik	9 Mohs
Şekil	Angular
Erime Noktası	~ 2050 °C
Yoğunluk	3,9 - 4,1 g/cm ³
Kitle Yoğunluğu	1,4 - 2,1 g/cm ³

Packaging

25kg Kraft bags on pallet of 1 ton

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