



CUMI SHARP



WHITE FUSED ALUMINA

White Fused Aluminium oxide grains is a high purity medium density product manufactured in electric arc furnace from a controlled quality of pure grade Bayer Alumina. It is more friable than regular Brown grade produced from Bauxite.

APPLICATION

CUMI SHARP White Fused Aluminium oxide grains is especially designed for manufacturing of vitrified bonded abrasive products where cool fast cutting action is essential.

GRAIN SIZES AVAILABLE

F12, F14, F16, F20, F24, F30, F36, F40, F46, F54, F60, F70, F80, F90, F100, F120, F150, F180 and F220 as per FEPA (Federation of European Producers of Abrasives) standard 42-1:2006.

TYPICAL PROPERTIES

Physical Properties		
Property	Unit	Value
Hardness	Mohs Scale	9
Hardness	Knoop Scale (Kg/mm ²)	2150
Specific gravity		3.8

Chemical composition	
Constituent	Value *
Al ₂ O ₃	99.53 %
TiO ₂	0.02 %
SiO ₂	0.03 %
Fe ₂ O ₃	0.04 %
Na ₂ O	0.36 %

* Analyzed for Grit F 24

BULK DENSITY (TYPICAL)							
Grit	g/cc	Grit	g/cc	Grit	g/cc	Grit	g/cc
12	1.65 – 1.75	30	1.70 – 1.80	70	1.60 – 1.80	150	1.45 – 1.65
14	1.65 – 1.75	36	1.60 – 1.80	80	1.60 – 1.80	180	1.45 – 1.60
16	1.65 – 1.75	46	1.60 – 1.80	90	1.60 – 1.80	220	1.45 – 1.60
20	1.70 – 1.80	54	1.60 – 1.80	100	1.45 – 1.70		
24	1.70 – 1.80	60	1.60 – 1.80	120	1.45 – 1.70		

Values obtained according to FEPA 44-1-:2006

Packing: 25 kg multiply paper bags of 1000 kg palletized. Other packaging types on request

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