



郑州市智行矿产品有限公司

ZHENGZHOU ZHIXING MINERAL CO.,LTD

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Address : 45-513, Futian Suntown, No.2 of Hanghai Road, Zhengzhou, China

Pink Alumina



PROCESS OF PRODUCTION AND CHARACTER

Pink Fused Alumina is produced by doping Chromia into Alumina, which gives the material pink color. The incorporation of the Cr_2O_3 into the Al_2O_3 crystal lattice produces a slight increase in toughness and a reduced friability compared with White Fused Alumina.

Compared to Brown Regular Aluminum Oxide the Pink material is harder, more aggressive and has better cutting ability. The grain shape of Pink Aluminum Oxide is sharp and angular.



Applications

The FEPA F grades are especially suitable for the manufacturing vitrified bonded abrasives for working hardened steels and alloys with tensile strengths of over 50 kg/mm². It is also used in tool grinding, knife-sharpening applications, precision grinding, profile grinding, flute grinding, tooth grinding, dry grinding of blade segments and mounted wheels.

The FEPA P grades are a preferred material for working non-ferrous metals and the alloys (copper, aluminum, zinc, brass, Bronze), but also used for softer materials, such as wood, synthetics and paints.

SPEC

PINK ALUMINA(HIGH CHROMIUM)

Items/ Chemical	Composition	Unit	Index
Size: F12-F80	Al ₂ O ₃	%	97.4min
	Cr ₂ O ₃	%	1.00-2.00
	Na ₂ O	%	0.55max
F90-F150	Al ₂ O ₃	%	97.00min
	Cr ₂ O ₃	%	1.00-2.00
	Na ₂ O	%	0.60max
F180-F220	Al ₂ O ₃	%	96.50min
	Cr ₂ O ₃	%	1.00-2.00
	Na ₂ O	%	0.70max
Physical Property	Basic Minerals		α— Al ₂ O ₃
	Crystal size	μm	600~2000
	True density	g/cm ³	≥3.90
	Bulk density	g/cm ³	1.40~1.91
	Knoop hardness	g/mm ²	2200~2300



PINK ALUMINA (MEDIUM CHROMIUM)

Items/ Chemical Composition	Unit	Index
Size: F12-F80	Al ₂ O ₃	% 98.2min
	Cr ₂ O ₃	% 0.45-1.00
	Na ₂ O	% 0.55max
F90-F150	Al ₂ O ₃	% 98.20min
	Cr ₂ O ₃	% 0.45-1.00
	Na ₂ O	% 0.60max
F180-F220	Al ₂ O ₃	% 97.80min
	Cr ₂ O ₃	% 0.45-1.00
	Na ₂ O	% 0.70max
Physical Property	Basic Minerals	α— Al ₂ O ₃
	Crystal size	μm 600~2000
	True density	g/cm ³ ≥3.90
	Bulk density	g/cm ³ 1.40~1.91
	Knoop hardness	g/mm ² 2200~2300

PINK ALUMINA(LOW CHROMIUM)

Items/ Chemical Composition	Unit	Index
Size: F12-F80	Al ₂ O ₃	% 98.5min
	Cr ₂ O ₃	% 0.20-0.45
	Na ₂ O	% 0.50max
F90-F150	Al ₂ O ₃	% 98.50min
	Cr ₂ O ₃	% 0.20-0.45
	Na ₂ O	% 0.50max
F180-F220	Al ₂ O ₃	% 98.00min
	Cr ₂ O ₃	% 0.20-0.45



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	Na ₂ O	%	0.60max
Physical Property	Basic Minerals		α— Al ₂ O ₃
	Crystal size	μm	600~2000
	True density	g/cm ³	≥3.90
	Bulk density	g/cm ³	1.40~1.91
	Knoop hardness	g/mm ²	2200~2300