

TECHNICAL DATA SHEET

PINK FUSED ALUMINA

Pink Fused alumina is bayer alumina, which is electrically fused in high temperature, being added with the right quantity of oxidized chromium. It is pink. Its hardness is close to, but toughness higher than that of WA. The abrasive tools made of it feature excellent durability and high processing cleanliness, which are suitable for the precision grinding of the measuring tools, lathe main shafts, instruments and apparatus parts, threading workpieces and samplers, etc.

PHYSICAL PROPERTIES

Basic minerals	α -Al ₂ O ₃
Crystal size μ m	600-2000
True density g/cm ³	≥ 3.90
Bulk density g/cm ³	1.40-1.91

TYPICAL CHEMICAL ANALYSIS [%]

Low chromium			Medium chromium			High chromium		
Al ₂ O ₃ (%)	Cr ₂ O ₃ (%)	Na ₂ O (%)	Al ₂ O ₃ (%)	Cr ₂ O ₃ (%)	Na ₂ O (%)	Al ₂ O ₃ (%)	Cr ₂ O ₃ (%)	Na ₂ O (%)
≥ 98.50	0.20-0.45	≤ 0.50	≥ 98.20	0.45-1.00	≤ 0.55	≥ 97.40	1.00-2.00	≤ 0.55



1. Used for refractory, casting, foundry and Painting etc

Sizes: 0-1mm 1-3mm 3-5mm 5-8mm



2. Used for abrasives, blasting, grinding, ceramic, rust removal, surface treatment, floor coating, abrasion resistant layer etc

PARTICLE SIZE DISTRIBUTION

F8	+4000um	0	+2800um	$\leq 20\%$	+2360um	$\geq 45\%$	+2360+2000um	$\geq 70\%$	-1700um	$\leq 3\%$
F10	+3350um	0	+2360um	$\leq 20\%$	+2000um	$\geq 45\%$	+2000+1700um	$\geq 70\%$	-1400um	$\leq 3\%$
F12	+2800um	0	+2000um	$\leq 20\%$	+1700um	$\geq 45\%$	+1700+1400um	$\geq 70\%$	-1180um	$\leq 3\%$
F14	+2360um	0	+1700um	$\leq 20\%$	+1400um	$\geq 45\%$	+1400+1180um	$\geq 70\%$	-1000um	$\leq 3\%$
F16	+2000um	0	+1400um	$\leq 20\%$	+1180um	$\geq 45\%$	+1180+1000um	$\geq 70\%$	-850um	$\leq 3\%$
F20	+1700um	0	+1180um	$\leq 20\%$	+1000um	$\geq 45\%$	+1000+850um	$\geq 70\%$	-710um	$\leq 3\%$
F22	+1400um	0	+1000um	$\leq 20\%$	+850um	$\geq 45\%$	+850+710um	$\geq 70\%$	-600um	$\leq 3\%$
F24	+1180um	0	+850um	$\leq 25\%$	+710um	$\geq 45\%$	+710+600um	$\geq 65\%$	-500um	$\leq 3\%$
F30	+1000um	0	+710um	$\leq 25\%$	+600um	$\geq 45\%$	+600+500um	$\geq 65\%$	-425um	$\leq 3\%$



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F36	+850um	0	+600um	≤25%	+500um	≥45%	+500+425um	≥65%	-355um	≤3%
F46	+600um	0	+425um	≤30%	+355um	≥40%	355+300um	≥65%	-250um	≤3%
F54	+500um	0	+355um	≤30%	+300um	≥40%	+300+250um	≥65%	-212um	≤3%
F60	+425um	0	+300um	≤30%	+250um	≥40%	250+212um	≥65%	-180um	≤3%
F70	+355um	0	+250um	≤25%	+212um	≥40%	+212+180um	≥65%	-150um	≤3%
F80	+300um	0	+212um	≤25%	+180um	≥40%	+180+150um	≥65%	-125um	≤3%
F90	+250um	0	+180um	≤20%	+150um	≥40%	+150+125um	≥65%	-106um	≤3%
F100	+212um	0	+150um	≤20%	+125um	≥40%	+125+106um	≥65%	-75um	≤3%
F120	+180um	0	+125um	≤20%	≥40%	≥40%	+106+90um	≥65%	-63um	≤3%
F150	+150um	0	+106um	≤15%	+75um	≥40%	+75+63um	≥65%	-45um	≤3%
F180	+125um	0	+90um	≤15%	+75um	*	+75+63um	≥40%	-53um	*
F220	+106um	0	+75um	≤15%	+63um	*	+63+53um	≥40%	-45um	*

Mainly Applications

- Various grinding wheels, vitrified grinding wheels and coated abrasives
- Dry&wet blast abrasive
- Fine blasting
- Refractories and Furnace Linings
- Glass & Ceramics: Decorative marking&Frosting & line marking
- Metals: Removal of hard deposits/investment/paint/scale/rust/solder/weld/flex/
- Castings and Forgings
- Lapping and Polishing/Lapidary/Optical
- Nuclear and Power Generation
- Oil and Gas Industries
- Plastics & Composites: Preparation for paint or metal sprayings



PACKAGING

