

Aluminium Oxide

In the family of Abrasive Blasting materials is Aluminium Oxide blasting media. Manufactured from bauxite ore.

The fused bauxite is crushed, screened, washed, tempered, baked or roasted to improve its hardness to make the final product.

Available in a number of grit sizing make it a very versatile blasting medium. The brown Aluminium Oxide is the most frequently used, but we also stock white in some grit sizes.

Aluminium Oxide blasting grains may be used wet or dry on: wood, metal, glass, ceramics, plastics, rubber, stone and other materials to remove: scale, rust, paint and burrs; to clean, cut, polish and etch surfaces.

Principal industrial applications are in the aerospace, automotive, shipbuilding, metalworking, masonry, glass and stone industries.

Aluminium Oxide grains are also used in non-slip applications on runways, flight decks, and stair treads, walkways, parking ramps and boat launching ramps.

The Aluminium Oxide Grit sizing
16,20,24,36,40,50,60,80,100,120,150,180,220,220W,
240,280,320,360,400,500

Availability dependant on our stock levels at time of request.

Aluminium Oxide is sold by the kilo plus GST

Available Size Grades

1. Standard grits graded in accordance with the FEPA Standards

- 1.1 FEPA grits for bonded abrasives and other applications
- 1.2 FEPA grits, P series, for coated abrasives only
- 1.3 Nominal grit size in microns
- 1.4 FEPA microgrits, F series, for bonded abrasives and other applications
- 1.5 Average particle size of FEPA grits, F series, in microns (determined by photosedimentation*)
- 1.6 FEPA microgrits, P series, for coated abrasives only
- 1.7 Average particle size of FEPA microgrits, P series, in microns (determined by U.S. Sedimentation Tube*)

Macrogrits:			Microgrits:	
1.1	1.2	1.3	1.4	1.5
<i>FEPA F Series Grit No.</i>	<i>FEPA**) P Series Grit No.</i>	<i>Nominal Grit Size in microns</i>	<i>FEPA F Series Grit No.</i>	<i>Average Particle Size (50% point) in microns with in the range</i>
F4	-	5600-4000	F 230/53	56-50
F5	-	4750-3350	F 240/45	46.5-42.5
F6	-	4000-2800	F 280/37	38-35
F7	-	3350-2360	F 320/29	30.7-27.7
F8	-	2830-2000	F 360/23	24.3-21.3
F10	-	2380-1680	F 400/17	18.3-16.3
F12	P 12	2000-1410	F 500/13	13.8-11.8
F14	-	1680-1190	F 600/9	10.3-8.3
F16	P 16	1410-1000	F 800/7	7.5-5.5
F20	P 20	1190-841	F1000/5	5.3-3.7
F22	-	1000-707	F1200/3	3.5 2.5
F24	P 24	841-595		
F 30	P 30	707-500		
F36	P 36	595-420		
F40	P 40	500-354		
F46	-	420-297		
F54	P 50	354-250		
F60	P 60	297-210		
F70	-	250-177		
F80	P 80	210-149		
F90	P 100	177-125		
F100	P 120	149-105		
F120	P 150	125-88		
F150	-	105-63		
F180	P 180	88-53		
F220	P220	74-44		
			1.6	1.7
			<i>FEPA P Series Grit No.</i>	<i>Average Particle Size (50% point) in microns with in the range</i>
			P 240	60.5-56.5
			P 280	54.20-50.2
			P 320	47.7-44.7
			P 360	42.0-39.0
			P 400	36.5-33.5
			P 500	31.7-28.7
			P 600	25.75-24.75
			P 800	22.8-20.8
			P 1000	19.3-17.3
			P 1200	16.2-14.2

*) The measured values of the two methods cannot be compared directly

**) The FEPA P grits correspond only approximately to the nominal grit sizes

2. Special Grades

Grits and group grades for special purposes can be made available on request.

3. Bubble Alumina Group Grades

Special Type (Shells removed)		Standard Type (Shells not removed)	
1-2mm	2-5mm	0-0.5mm	0-2mm
2-3mm	3-5mm	1-1.0mm	0-3mm
		0.5-1.0mm	0-5mm

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