



Luoyang Zhongsen Refractory Co., Limited

Yaowan Village, South Dukang Road, Yichuan County, Luoyang City, Henan Province, P.R. CHINA

TEL: 0086-379-69351288 WEB: www.zhongsen-refractory.com

Certificate of Analysis-Brown Fused Alumina

General Information

Product	: Brown Fused Alumina for Coated Abrasives (Sandpaper, Sanding Belt, Polishing Pads)
Other Names	: Brown Fused Aluminium Oxide, Brown Aluminum Oxide, Brown Corundum, BFA P Sizes
Country of Origin	: China
Manufacturer of Material	: Luoyang Zhongsen Refractory Co., Limited
Features	: Clean Material, Good Chemical Content, Good Abrasive Ability
Picture of Product:	



Physical Specifications & Package

Main Content	: Al_2O_3 (Aluminum Oxide)
Specific Gravity	: $\geq 3.90 \text{ g/cm}^3$
Bulk Density	: $1.4\text{-}2.3 \text{ kg/m}^3$
Hardness	: 9 MOSH
Color	: Brown
Melting Point	: 2300°C
Sizes Available	: P8-F220, P280-P1500, other sizes to request
Package	: Jumbo Bag, 25kg Bag and 40 Bags on a Pallet



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Particle Distribution & Chemical Content

Brown Fused Alumina for Coated Abrasives

Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P20	+1.70	+1.18	+1.00	+0.850	+0.710	
	Standard	0%	0-7%	42±8%	86±6%	96%	4
	036	0	5.5	41.8	83.7	98.5	1.5
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P24	+1.40	+1.00	+0.850	+0.710	+0.600	
	Standard	0%	0-1%	14±4%	61±9%	92%	8
	057	0	0.1	12.5	71.9	97.6	2.4
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P30	+1.18	+0.850	+0.710	+0.600	+0.500	
	Standard	0%	0-1%	14±4%	61±9%	92%	8
	037	0	0	13.5	70	94.6	5.4
	038	0	0	15.5	70	96.6	3.4
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P36	+1.00	+0.710	+0.600	+0.500	+0.425	
	Standard	0%	0-1%	14±4%	61±9%	92%	8
	062	0	1	13.5	56.9	94.8	5.2
	012	0	0.9	14	54.9	94	6
	040	0	0	13.5	55.4	94.8	5.2
	066	0	0.4	12.5	55.4	95.3	4.7
	021	0	0.4	13	54.9	95.3	4.7
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P40	+0.710	+0.500	+0.425	+0.355	+0.300	
	Standard	0%	0-7%	42±8%	86±6%	96%	4
	069	0	5.3	44.8	90	99	1
	061	0	4.3	44.3	89	99	1
	058	0	5.3	46.8	90	99	1
	059	0	5.3	47.8	89	99	1
	060	0	5.3	47.3	88.5	99	1
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P50	+0.600	+0.425	+0.355	+0.300	+0.250	
	Standard	0%	0-3%	26±6%	75±9%	96%	4



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	065	0	2.3	24.1	75.5	97.7	2.3
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P60	+0.500	+0.355	+0.300	+0.250	+0.212	
	Standard	0%	0-1%	14±4%	61±9%	92%	8
	032	0	0	12.4	65.8	94.8	5.2
	033	0	0	13.4	69.8	96.8	3.2
	034	0	0	12.4	65.8	95.7	4.3
	035	0	0	12.4	65.8	95.7	4.3
	046	0	0	15.4	65.8	94.8	5.2
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P80	+0.355	+0.250	+0.212	+0.180	+0.150	
	Standard	0%	0-3%	26±6%	75±9%	96%	4
	014	0	0	24.9	75.4	97.7	2.3
	067	0	0	24.9	74.4	97.2	2.8
	068	0	0	24.9	74.4	96.7	3.3
	044	0	0	27.9	78.9	97.7	2.3
	013	0	0	24.9	74.4	97.2	2.8
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P100	+0.300	+0.212	+0.180	+0.150	+0.125	
	Standard	0%	0-1%	14±4%	61±9%	92%	8
	029	0	0.1	12.7	68.9	96.2	3.8
	027	0	0.1	13.2	65.9	95.7	4
	028	0	0.1	12.2	64.9	96.2	3.8
	030	0	0.1	11.2	65.9	96.2	3.8
	045	0	0.1	12.2	65.8	96.2	3.8
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P120	+0.212	+0.150	+0.125	+0.106	+0.090	
	Standard	0%	0-7%	42±8%	86±6%	96%	4
	059	0	0	36	83.1	99.2	0.8
	061	0	0	36.5	83.1	99.2	0.8
	039	0	0	36	85	99.2	0.8
	031	0	0	36	85	99.2	0.8
	037	0	0	36	83	99.2	0.8
	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P150	+0.180	+0.125	+0.106	+0.090	+0.075	
	Standard	0%	0-3%	26±6%	75±9%	96%	4



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Physical Analysis	033	0	1	30.4	76.6	98.2	1.8
	060	0	1	30.4	76.5	98.2	1.8
	063	0	2.5	22.4	79.1	98.7	1.3
	038	0	2.5	22.4	79.7	98.7	1.3
	065	0	1.5	21	76.1	98.2	1.8
	057	0	1.5	23	78.1	98.2	1.8
	058	0	1	22.4	76.1	98.7	1.3
	062	0	1	23	76.1	98.7	1.3
	064	0	2	24.4	79.6	98.3	1.3
	047	0	2	24	78.6	98.7	1.3
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P180	+0.150	+0.106	+0.090	+0.075	+0.063	
	Standard	0%	0-2%	15±5%	62±12%	90%	10
	051	0	0	13	73.6	95.3	4.7
	050	0	0	13.5	73.6	95.3	4.7
	048	0	0	13	73.6	95.3	4.7
	049	0	0	13	73.1	96.3	3.7
	046	0	0	13	73.1	96	4
Physical Analysis	Grit#	Q1	Q2Max	Q3	Q4	Q5Min	Q6Max
	P220	+0.125	+0.090	+0.075	+0.063	+0.053	
	Standard	0%	0-2%	15±5%	62±12%	90%	10
	054	0	0.9	19.4	67.5	95.5	4.5
	065	0	0.9	19.4	66.5	95.5	4.5
	032	0	0.9	18.9	67	95.5	4.5
	034	0	0.9	18.7	67	95.5	4.5
	036	0	0.7	19.1	66.5	95.5	4.5
	053	0	0.7	18.6	66.5	95.5	4.5
	052	0	0.6	18.4	67.5	95.5	4.5
	035	0	0.3	18	67	95.5	4.5
	055	0	0.9	18.7	67	95.5	4.5
	066	0	0.3	18.5	65	95.5	4.5