玉发集团
YUFA GROUP

Alumina for Heat Conduction (FA) Series

Model No.	Chemical Composition (%)						Ture Density	Apparent Density	Grain Size	Oil Absorption Rate	Conversion Rate	+325	Features	Recommend Applications
	Al_2O_3 ≥%	SiO_2 ≤%	Fe_2O_3 ≤%	Na_2O ≤%	B_2O_3 ≤%	LOI ≤%	g/cm^3 ≥	g/cm^3 ≥	d_{50} (μm)	ml	≥%	<%		
FA1	99.7	0.05	0.02	0.05	/	0.08	3.92	0.9	1-1.3	54	≥95	0.1	• Small crystals • Fully grinding, • Uniform crystal size • Narrow particle size distribution • Good thermal conductivity	• Thermal conductive materials • Ceramic coatings, etc.
FA2	99.5	0.1	0.02	0.08	/	0.08	3.92	0.8	1.4-2.1	39	≥95	0.1	• High temperature calcination • Deep grinding • Small primary crystal • Sub-spherical • Good thermal conductivity.	

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FA3	99.7	0.1	0.02	0.05	/	0.05	3.96	0.9	2.1-2.7	38	≥95	0.5	• High temperture clacination • Grinded deeply • Good paricle distribution • Resonable distribution of grain size,crystal shape • Good flowability • Large apparent density • Excellent thermoconductivity	• Thermal conductive materials • Ceramic coatings, etc.
FA4	99.8	0.05	0.02	0.08	0.02	0.04	3.96	1.1	3.6-4.5	34	≥95	0.5		
FA5	99.8	0.05	0.02	0.08	0.05	0.04	3.96	1.1	5.5-6	33	≥95	0.5	• High temperture clacination • Grinded deeply • Good particle distribution • Large single crystal • Outstanding flowability • Large apparent density • Excelent thermoconductivity.	

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FA10	99.8	0.05	0.02	0.1	0.05	0.05	3.96	1.1	8-10	29	≥95	1	• Good paricle distribution • Large crystal siez • Outstanding flowability • High apparent density • Excellent thermoconductivity	• Thermal conductive materials • Ceramic coatings, etc.
FA15	99.7	0.05	0.02	0.10	0.05	0.08	3.96	1.1	10-13	/	≥95	1	• Large crystal size • Good flowability • Good thermoconductivity	

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FA150	99.5	0.1	0.02	0.2	/	0.08	3.96	1.65	30	34	≥95	/	• Large Single crystal • Good flowability • Good thermal conductivity	• Thermal conductive materials • Ceramic coatings, etc.
D45	99.5	0.05	0.02	0.15	/	0.05	3.96	1.75	50	35	≥95	/	• Large crystal size • Good flowability • Good thermal conductivity	
D10	99.5	0.05	0.02	0.2	/	0.05	3.96	1.1	10	35	≥95	/	• Large crystal size • Good flowability • Good thermal conductivity	

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D70	99.5	0.05	0.02	0.2	/	0.05	3.96	1.8	70	27	≥95	/	• Large Single crystal • Good flowability • Good thermal conductivity	• Thermal conductive materials • Ceramic coatings, etc.
D90	99.5	0.05	0.02	0.2	/	0.05	3.96	1.8	90	27	≥95	/	• Large crystal size • Good flowability • Good thermal conductivity	

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