

TABULAR ALUMINA



CAS N°	1344-28-1
EC N°	215-691-6
Chemical formula	Al ₂ O ₃
Appearance	white powder or granules
Packages	bags 25 kg / soft disposable containers "Big-bag" 1000 kg
Description	this is pure α-alumina obtained by intensive sintering at temperatures above 1800 °C, without the use of sintering additives

APPLICATION AREA



Refractory production

QUALITY PARAMETERS, UNIT	REQUIREMENTS OF THE STANDARD	
	ALFA TAB@ 06 standard	ALFA TAB@ 30 standard
Al ₂ O ₃ , %	99,5	99,5
Na ₂ O, %	0,04	0,3
Fe ₂ O ₃ , %	0,08	0,08
SiO ₂ , %	0,04	0,04
CaO, %	0,02	0,02
Fe Magnetic	≤0,025	≤0,025
Bulk specific gravity, g/cm ³	3,55	3,55
Apparent porosity, %	4	4
Water absorption, %	1,5	1,5

STANDARD GRAIN SIZE (MM)	MESH	MM	MESH
0-6	-0,25	CD balls	/
0-3	-6	6-12	0,5-0,25
0-2	-8	3-6	3-6
0-1	-14	2-6	0,25-8
0-0,5/0,6	-28	2-3	6-8
0-0,3	-48	1-3	6-14
0-0,2	-100	1-2	8-14
0-0,045	-325	0,5/0,6-1	14-28
0-0,02	-635	0,3-0,6	28-48

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GRAIN SIZE TABLE

SIZE	TYLER, MESH	TYPICAL, %	MIN./MAX, %
0-3 MM (-6 MESH)			
+3,35 MM	6	1	0-8
+2,0 MM	9	32	
+1,0 MM	16	29	
-0,125 MM	115	7	
0-1 MM (-14 MESH)			
+1,4 MM	12	1	0-2
+1,0 MM	16	11	
+0,5 MM	32	36	
-0,106 MM	150	14	5-26
0-0,5 MM (-28 MESH)			
+0,71 MM	24	1	0-3
+0,5 MM	32	14	
+0,25 MM	60	37	
-0,045 MM	325	9	2-20
0-0,2 MM (-65 MESH)			
+0,212 MM	65	3	0-5
+0,125 MM	115	12	
+0,063 MM	250	38	
-0,045 MM	325	41	25-55
0-0,3 MM (-48 MESH)			
+0,3 MM	48	1	0-5
+0,25 MM	60	3	
+0,125 MM	115	29	
-0,045 MM	325	29	15-45
-45 MICRON LI (-325 MESH LI)			
+0,063 MM	250	0	0-1
-0,045 MM	325	99	95-100
45 MICRON STD (-325 MESH STD)			
+0,063 MM	250	0	0-2
-0,045 MM	325	98	95-100
-20 MICRON			
+0,02 MM	635	5	0-10

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SIZE	TYLER, MESH	TYPICAL, %	MIN./MAX, %
3-6 MM (3-6 MESH)			
+6,3 MM	0,25	1	0-4
+5,0 MM		22	
+4,0 MM	5	40	
-2,0 MM	9	1	0-3
2-5 MM (0,25 -8 MESH)			
+6,3 MM	0,25	1	0-3
+5,0 MM		14	
+4,0 MM	5	31	
-2,0 MM	9	2	0-6
1-3 MM (6-14 MESH)			
+4,0 MM	5	1	0-2
+3,35 MM	6	4	
+2,0 MM	9	52	
-1,0 MM	16	2	0-10
1-2 MM (8-14 MESH)			
+3,35 MM	6	1	0-1
+2,0 MM	9	11	
+1,4 MM	12	56	
-1,0 MM	16	3	0-10
0,5-1 MM (14-28 MESH)			
+1,4 MM	12	1	0-2
+1,0 MM	16	19	
+0,71 MM	24	50	
-0,5 MM	32	4	0-10
0,2-0,6 MM (28-48 MESH)			
+0,71 MM	24	1	0-2
+0,5 MM	32	11	
+0,25 MM	60	81	
-0,212 MM	65	3	0-7

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