



Americas Regional Product Data

-325 Mesh Ground Calcined Aluminas

Almatis -325 Mesh ground calcined aluminas meet the demanding requirements for refractory shapes and castables, electrical insulators, and surface finishing applications. With additional grinding they meet the demanding requirements for technical and electronic ceramics. These Almatis products are dry milled in continuous feed ball mills using ceramic media. The grinding process is closely monitored to achieve the product characteristics required by their intended applications. These products are ground from Almatis' normal soda and low soda calcined aluminas.

Normal Soda Products

Products	A 2 -325 ⁽¹⁾			A 2 -325 CR ⁽¹⁾			A 13 -325			
	Min	Max	Typical	Min	Max	Typical	Min	Max	Typical	
Chemical Composition (%)										
Al ₂ O ₃ by difference			99.6			99.6			99.8	
Na ₂ O		0.35	0.25		0.35	0.25		0.30	0.12	
Fe ₂ O ₃		0.04	0.02		0.04	0.02		0.03	0.02	
SiO ₂		0.05	0.02		0.10	0.03		0.03	0.01	
B ₂ O ₃		0.035	0.01		0.035	0.01			0.002	
Physical Properties										
Surface Area BET (m ² /g)		1.1	0.6		1.1	0.7	7.5	17	11	
Wet -325 Mesh Sieve (%)	95.0		97.6	99.0		99.3	90.0		96.0	
Sedigraph d50 (µm)				3.8	6.0	5.1			2.8	
Packaging										
See Std. Packaging (p2)		1,2,3,4,6			1,3,4,6			1,3,4,5		

(1) Chemistry for this product is assured through process control and verification of incoming alumina chemistry. Although each finished lot is not tested, the product is certified to conform to the chemistry specifications listed.



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Low Soda Products

Product	A 10 -325 ⁽¹⁾			A 14 -325			A 35 -325 ⁽¹⁾		
	Min	Max	Typical	Min	Max	Typical	Min	Max	Typical
Chemical Composition (%)									
Al ₂ O ₃ by difference			99.7			99.8			99.7
Na ₂ O		0.13	0.08		0.05	0.04		0.18	0.11
Fe ₂ O ₃		0.07	0.02		0.04	0.01		0.04	0.02
SiO ₂		0.14	0.04		0.08	0.03		0.04	0.02
B ₂ O ₃		0.22	0.08		0.06	0.03		0.03	0.02
Physical Properties									
Surface Area BET (m ² /g)			0.5	0.6	1.1	0.8		1.1	0.7
Wet -325 Mesh Sieve (%)	95.0		98.5	95.0		98.7	95.0		97.3
Sedigraph d50 (µm)	5.8	8.8	7.4	3.7	5.7	4.7			5.3
Packaging									
See Std. Packaging (below)	1,2,3,4,6			1,2,3,4,6			1,3,4,6		

(1) Chemistry for this products is assured through process control and verification of incoming alumina chemistry. Although each finished lot is not tested, the product is certified to conform to the chemistry specifications listed.

Standard Packaging

1. 50 lb paper bags - 70 per pallet
2. 25 kg paper bags - 40 per pallet
3. 2500 lb super sacks - 1 per pallet
4. 1 mt super sacks - 1 per pallet
5. Bulk rail car
6. Bulk truck
7. Other options available with upcharge

All data is based upon Almatis standard test methods.
All test methods are available upon request.
The typical properties are based upon the actual averages from production data.
The Min/Max data represents Almatis standard product specification data for these products.



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