



Americas Regional Product Data

Tabular Alumina T60/T64

-325 Mesh SP/XLS

Product Characteristics

Almatris Tabular Alumina T60/T64 is a pure sintered α -alumina material that has been fully densified by rapid sintering at temperatures in excess of 1800°C. Tabular Alumina has characteristic large, well developed hexagonal tablet shaped alumina crystals of up to 200 μ m length. Tabular alumina has extremely high refractoriness, high mechanical strength and abrasion resistance, very good chemical purity, excellent dielectric properties and good resistance against acid and alkali corrosion.

Product Applications

Almatris low-soda and ultra-low soda tabular aluminas combine the properties of standard tabular alumina together with a low alkali content to provide a product with higher dielectric strength, thermal conductivity and chemical inertness in the many applications. The most common applications for low and ultra-low soda ground tabular are ceramics, investment casting and functional filler/epoxy-resin systems. The extremely low total Na₂O content results in even lower solubility of free Na⁺, providing improved pH and viscosity stability, and longer slurry life in investment casting applications. The reduction in free Na⁺ also minimizes potential undesired chemical interactions between the alumina filler and matrix components in functional filler applications.

Chemical Composition (%)		- 325 Mesh SP		- 325 Mesh XLS	
Al ₂ O ₃ by difference		99.6 min		99.7 min	
Na ₂ O		0.20 max		0.05 max	
SiO ₂		0.09 max		0.09 max	
Fe magnetic		0.02 max		0.02 max	
Particle Size Distribution (%)					
	Typical	Min	Max	Min	Max
+0.063 mm	0.4		1		1
-0.045 mm	97	95		95	
Standard Packaging					
50 lb paper bags - 70 per pallet					

All data is based upon Almatris 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 Almatris standard product specification data for these products.



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