

Tabular Alumina T60/T64

-325 Mesh SP/XLS

Product Description

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 extra 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 extra 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.

Product		- 325 Mesh SP			- 325 Mesh XLS		
Chemical Composition	Unit	Typical	Min.	Max.	Typical	Min.	Max.
Al ₂ O ₃	[%]	99.6			99.7		
Na ₂ O	[%]			0.20			0.05
SiO ₂	[%]			0.09			0.09
Fe Magnetic	[%]			0.02			0.02
Particle Size Distribution							
+0.063 mm	[%]	0.4		1			1
-0.045 mm	[%]	97	95		95		

Typical product properties are based upon the actual averages from product data. The Min/Max data show our standard product specification data for these products.

All data are based upon Almatris standard test methods. All test methods are available upon request.

Standard Packaging

50 lb paper bags - 70 per pallet

Contact for sales, technical information and application assistance

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