

# Tabular Alumina T60/T64

## -325 Mesh SP/XLS

### Product Description

Almatris Tabular Alumina T60/T64 is a pure sintered  $\alpha$ -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 $\mu$ 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 Na<sub>2</sub>O content results in even lower solubility of free Na<sup>+</sup>, providing improved pH and viscosity stability, and longer slurry life in investment casting applications. The reduction in free Na<sup>+</sup> 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 <sub>2</sub> O <sub>3</sub>	[%]		99.6			99.7	
Na <sub>2</sub> O	[%]			0.20			0.05
SiO <sub>2</sub>	[%]			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

**Head Office**  
Almatris GmbH  
Lyoner Strasse 9  
60528 Frankfurt/Germany

info@almatris.com  
www.almatris.com

**SDS 154**