



## Americas Regional Product Data Sheet

# Tabular Alumina T60/T64

## -325 Mesh LI CR

### Product Characteristics

Almatis 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  $\mu\text{m}$  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

Tabular Alumina -325 mesh LI CR combines the standard properties of tabular alumina with reduced magnetic iron content along with tight oversize specification. Steps are taken to remove magnetic iron & coarse particles which can lead to poor product performance. The most common applications are for abrasion and functional filler / epoxy-resin systems. The increased alumina quality can provide greater constancy in formulation and product properties.

Chemical Composition <sup>1</sup>		Typical	Min	Max
<b>Al<sub>2</sub>O<sub>3</sub></b>	[%]	99.5		
<b>Na<sub>2</sub>O</b>	[%]			0.40
<b>SiO<sub>2</sub></b>	[%]			0.09
<b>Fe magnetic</b>	[%]	0.006		0.010
Particle Size Distribution				
<b>+ 0.150 mm</b>	[%]	0.03		0.05
<b>- 0.075 mm + 0.063 mm</b>	[%]	0.1		1.0
<b>- 0.045 mm</b>	[%]	99.2	98.5	
<b>Packaging available: 50 lb. paper bags – 70 per pallet</b>				

All data are based upon Almatis standard test methods.

<sup>(1)</sup> 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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Contacts for sales, technical information and application assistance



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