# Tabular Alumina T60/T64

## -325 Mesh LI CR

### Product Characteristics

Almatis 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 µm 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 and 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 | Unit | Typical | Min. | Max. |
|---|---|---|---|---|
| $Al_2O_3$ | [%] | 99.5 | | |
| $Na_2O$ | [%] | | | 0.4 |
| $SiO_2$ | [%] | | | 0.09 |
| Fe magnetic | [%] | 0.006 | | 0.01 |
| **Particle Size Distribution** | | | | |
| + 0.150 mm | [%] | 0.03 | | 0.05 |
| - 0.075 mm + 0.063 mm | [%] | 0.1 | | 1 |
| - 0.045 mm | [%] | 99.2 | 98.5 | |

### Open Size - Particle Size Distribution

| DIN[1)] | Unit | Typical | Min. | Max. |
|---|---|---|---|---|
| + 0.150 mm | [%] | 0.03 | | 0.05 |
| - 0.075 mm + 0.063 mm | [%] | 0.1 | | 1 |
| - 0.045 mm | [%] | 99.2 | 98.5 | |

Chemistry for all products is assured through process control and verification of incoming alumina chemistry. Each product is certified to conform to the chemistry specifications listed, thus each product lot is not tested.
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 Almatis standard test methods. All test methods are available upon request.
1) Sieve analysis as per DIN/ISO 3310/1

### Standard Packaging

50 lb paper bags - 70 per pallet

Contact for sales, technical information and application assistance

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