



ALMATIS

PREMIUM ALUMINA



European Regional Product Data

Almatris High Surface Area Aluminas

| Chemical | Unit | CTGA | | | PG feinst | | | P 10 | | | CT 10 SG | | |
|--|---------------------|---------|-----|-----|-----------|-----|-----|---------|-----|-----|----------|-----|-------|
| | | Typical | Min | Max | Typical | Min | Max | Typical | Min | Max | Typical | Min | Max |
| Composition | | | | | | | | | | | | | |
| Al ₂ O ₃ by difference | [%] | 99 | | | 99 | | | 99 | | | 99 | | |
| Na ₂ O | [%] | 0.4 | | 0,5 | 0.4 | | 0.5 | 0.4 | | | | | 0.5 |
| Fe ₂ O ₃ | [%] | 0.03 | | | 0.03 | | | 0.02 | | | 0.03 | | 0.04 |
| SiO ₂ | [%] | 0.02 | | | 0.03 | | | | | | 0.05 | | 0.05 |
| CaO | [%] | 0.02 | | | | | | | | | | | 0.065 |
| Properties / Method | | | | | | | | | | | | | |
| Specific surface area / BET | [m ² /g] | 65 | 50 | 80 | 70 | 45 | 80 | 11 | 9 | 17 | 13 | | |
| Particle Size / D50 Cilas | [µm] | | | | 3.4 | | | 38 | | | 3 | | |
| Particle Size / Sieve >63µm | [%] | 70 | 55 | 90 | | | | 30 | 25 | 50 | | | |
| Particle Size / Sieve >20µm | [%] | | | | 1 | | <3 | | | | 2 | | 5 |

All data are based upon Almatris standard test methods.

The typical properties are based upon the actual averages from production data.

Think alumina, think Almatris.

RP-EU/RCP/020/R01/0613/MSDS 387



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Applications:

High surface area aluminas are quite versatile products that can be used in a variety of refractory, ceramics, glass and filler applications.

They serve as a plasticizer in extrudable & gunning refractory mixes and can replace clay and silica fume for improved hot properties.

They are used for sintered pigments in the tiles and glazes industry, and can replace micronized zircon as an opacifier in glazes & fully vitrified ceramic tiles.

The products can be used for porous ceramics, such as catalyst carriers & ceramic filters.



Contacts for sales, technical information and application assistance



ALMATIS
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