



R S A
SPECIALTY POWDERS

Ultra pure alumina and special oxides



100 years of know-how and experience

RSA has been creating ultra pure alumina for over a century, mastering the process for decades for use in its production of crystals where the highest raw material quality standards are required.

Thanks to constant investments and development, RSA is now able to offer you a comprehensive range of specialty powders which can be also developed in partnership.



Full production line, under control

We produce our own energy and our own alum salt entering into the high purity alumina manufacturing process.

Thanks to this mastery, we offer to our customers:

- Ultra-high purity alumina
- Products that meet specific specifications
- Product development partnerships, thanks to our flexible production tool and a R&D department ready to help our customers and partners.



Dialogue and sharing

Even with several decades of powder manufacturing , RSA is always questioning itself.

Priority of priorities : a quick and direct dialogue ensures the adequacy of the proposed solutions.



Services

RSA makes its equipment and know-how available to customers for any development project. If you need custom calcination, milling, composition, particle size, morphology, pressed or sintered properties let's work together to create something new



Our laboratory

RSA has a well equipped in-house laboratory to measure :

Surface Area (BET),

Alumina purity,

Particle Size Distribution,

Crystallite Type and Average Crystalline Phases.



Our ultra pure alpha and gamma alumina

Crystal Structure

Alpha or Gamma

BET Specific surface area » From 6 to 125 m²/g

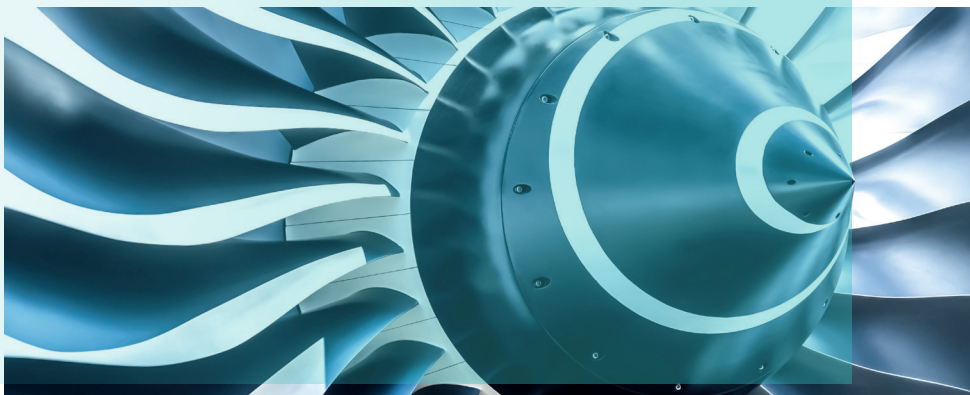
Particle size distribution (D50) » From 0.32 to 50 µm

- Extremely low impurity level (controlled at every stages of the production)
- Very high quality level
- We ensure a perfect stability of the quality, allowing you very quick validation period, batches after batches
- We demand high quality from ourselves to allow you to do the same with your products

Microbeads

Fused alumina microbeads have a high density and an excellent flowability, in addition to the other desirable properties of alumina

- Resistance to corrosion and chemical agents, higher abrasion and scratch resistance
- Resistance to fissuring and cracking
- Uniform surface improvement
- No alteration of initial coloring



Spinel Powder

- Extremely low sulphur content
- High purity product with very low chemical impurity rate
- Customized spinel powder on request



Oxides

We can produce and offer special oxides on request

Sapphire and Ruby

- Four homemade crystal growth methods offering rough sapphire, colored corundum and spinel

[Contact us for more details](#)

Tailor made products : we control the entire process from raw materials to final high-end products

- Ultra-high purity,
- Shape, design, structure on request
- The crystal phase
- Homogeneity of the physico-chemical composition



An idea, a project, an innovation for changing the future or make it brighter ? Don't hesitate to ask us. We will make everything possible to bring you the solution you're looking for.

RSA more than a manufacturer.

RSA is your partner.





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