

ZTA / ATZ

PURITY - SINTERING REACTIVITY - FINE MICROSTRUCTURE

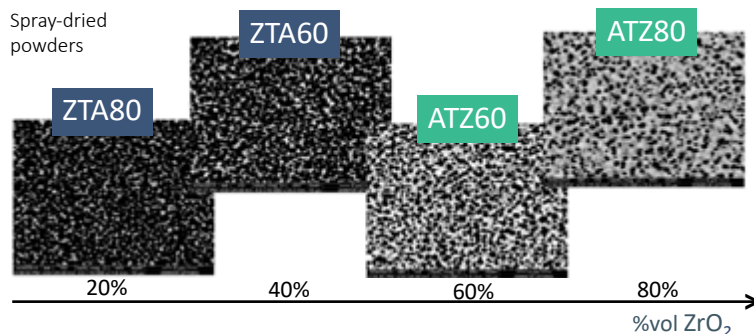
Characteristics

> Baikowski® offers a Zirconia (BSZ*) and ZTA/ATZ** products with **customized options** such as:

- Zirconia stabilizer (Y, Ce, Ca...)
- Colored dopant
- Third phase for improved fracture toughness
- Mix of Al_2O_3 and ZrO_2 according to your needs

> Available in **spray-dried, ready-to-press and slurry form**.

*Our Zirconia based products show **high sintering reactivity** leading to a **low firing temperature** & **fine microstructure**.*



> ZTA/ATZ product range **characteristics**:

- High chemical purity
- Controlled in particle size and size distribution
- Homogeneous distribution of Al_2O_3 and ZrO_2 particles

Standard Zirconia Products (Typical values)		ZTA80	ATZ80
Description		80%vol Al_2O_3	80%vol ZrO_2
Specific Surface Area (m^2/g) BET		15	
Particle Size Distribution (μm)	d_{50}	0.15	
	Ca	≤ 30	
	Cr	≤ 2	
	Fe	≤ 10	
	K	≤ 30	
	Na	≤ 40	
	Si	≤ 100	

Elemental Analysis (ppm) ICP

Applications

*BSZ: Baikowski® Stabilized Zirconia

**ZTA: Zirconia Toughened Alumina

**ATZ: Alumina Toughened Zirconia



Any specific requests?

Let us know your requirements and we will design, together, the best solution to meet your application needs and process



Baikowski®

With great powder comes great responsibility



Baikowski® 

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