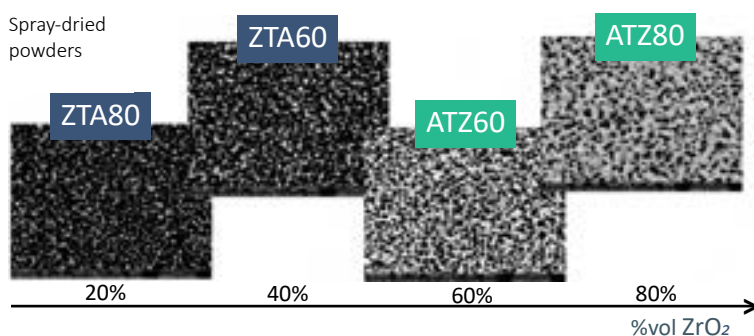


## ZTA/ATZ

# Characteristics

> Baikowski® offers a wide range of 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<sub>2</sub>O<sub>3</sub> and ZrO<sub>2</sub> according to your needs



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

- High chemical purity
- Controlled in particle size and size distribution
- Homogeneous distribution of Al<sub>2</sub>O<sub>3</sub> and ZrO<sub>2</sub> particles

> 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**.*

Standard Zirconia Products (Typical values)	ZTA80	ATZ80
Description	80%vol Al <sub>2</sub> O <sub>3</sub>	80%vol ZrO <sub>2</sub>
Specific Surface Area (m <sup>2</sup> /g) BET	15	
Particle Size Distribution (µm)	d <sub>50</sub>	0.15
	Ca	≤ 30
Elemental Analysis (ppm) ICP	Cr	≤ 2
	Fe	≤ 10
	K	≤ 30
	Na	≤ 40
	Si	≤ 100

\*BSZ: Baikowski® Stabilized Zirconia

\*\*ZTA: Zirconia Toughened Alumina

\*\*ATZ: Alumina Toughened Zirconia

# Applications



**Any specific requests?**

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



## Your solution partner for fine minerals



Baikowski® 

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