

## BAIKALOX<sup>®</sup> Polishing Slurries

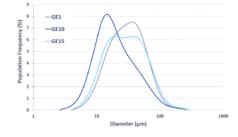
## **Characteristics**

Standard Polishing Slurries (Typical values)		GE1S	GE6S	GE15S	CR1S	CR6S	CR15S	CR30S
Suspension code		3.0	1.0	0.3	3.0CR	1.0CR	0.3CR	0.1CR
Finish		Standard			Scratch-free			
Polishing step		Rough	Rough	Inter.	Rough	Rough	Inter.	Final, 1 step
Nominal particle size (µm)		3.0	1.0	0.3	3.0	1.0	0.3	0.1
рН		7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8	7 - 8
Slurry density (g/cm³)		1.2	1.2	1.2	1.2	1.2	1.2	1.2
PSD (μm)	d <sub>50</sub>	13	8.0	4.5	1.0	0.5	0.2	0.2

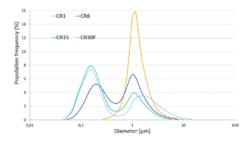
- > Baikalox<sup>®</sup> polishing slurries are water based suspensions
- > Their characteristics include:
- Control in Particle Size & Particle Size Distribution (PSD)
- High Chemical Purity
- Miscible with water
- Non-irritating to the skin thanks to its neutral, nontoxic base
- Standard or scratch-free finish

We advise to use these products within six months after reception and store it in standard conditions of temperature and pressure, ideally under agitation.

#### > Particle size distribution of the GE range



#### Particle size distribution of the CR range





PRODUCT DESIGN

# **Applications**



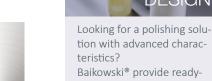


Polishing





Polishing



to-use solutions, as well as tailored products upon request:

- Chemical composition and purity
- Physical characteristicsShape and formulation



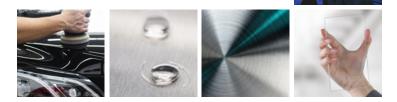
### Ceria-Silica-Diamond



# OTHER POLISHING SOLUTIONS

## **Characteristics**

- > Partial substrates list:
- Ceramic YAG, AIN
- Crystal Sapphire, SiC, GaN, Silicon, YAG, ZnSe, LiTaO<sub>3</sub>, LiNbO<sub>3</sub>
- Glass
- Metal Aluminum, Stainless steel, • Molybdenum, Copper, Silicon
- Organic glass Polycarbonate .
- Varnish & lacquer Car paint



Baikowski® provides you with the best products adapted to your process, as well as advice to make the most of your polishing steps. Our Japanese R&D team is completely dedicated to polishing, and has accumulated a unique expertise. We also offer accessories, like **pads and plates**, to help you achieve your goal.

- > BaikoPolish product range customization:
- Various particles (Ceria, Silica, Diamond)
- Implementation in various media (paste, slurry...)
- · Optimized design of the abrasives in order to adapt to the application requirements (viscosity, pH control...)
- In case of formulations, we can play on other important parameters for polishing, complementary to the abrasive efficiency.

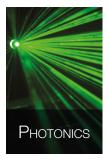
> Baikowski has **specialized in polishing for** decades. We upgrade our skills and equipment continuously to find the optimal solution for each unique polishing case:

- With cutting-edge specialized equipment for polish testing, we can measure and observe:
  - Removal rate (**Rr**)
  - Roughness average (Ra)
  - Peak-to-Valley (PV)

 Surface roughness imaging to provide the optimal parameters for use in your polishing conditions.

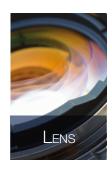
# Applications





Mathym<sup>®</sup> SAS





### PRODUCT DESIGN

Any particular substrate to polish? Looking for more cut, or a brighter finish? Let us know your requirements and we will design the best solution for your needs.

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