

PREMIUM GLASS FOR GLASS STUDIOS AND SCHOOLS

# *LIBA Chunks* *LIBA Fragments*

PRECIOSA

# LIBA Chunks / LIBA Fragments

*We present an exceptional material that is suitable for glass blowing, pressing, fusing and other glass processing techniques.*

The consistent properties of LIBA 2000+ in the form of cut fragments will be appreciated by both glass studios and, for example, schools that use it as a basic raw glass material for further processing. The physical and chemical parameters are compatible with the range of colored rods LIBA Colors 96. Combining these materials will give rise to an enormous range of color variants that you can use in your artistic work.

## LIBA Chunks are available in the following profiles

A maximum length of ca 10 cm.

Shape name		height in mm
V28 THIN		23
		24
		25
V28 MEDIUM		27
		30
		32

## LIBA Fragments

We supply glassmaking fragments without a dust fraction.

Granulation

3 mm – 70 mm

### STANDARD PACKAGING

Weight: 500 kg net in a wooden crate on EURO pallet

Crate dimensions: 120 x 80 x 70 cm

### PHYSICAL AND CHEMICAL PROPERTIES

Specific weight	$\rho$	2 580 + 20 kg/m <sup>3</sup>	Hydrolytic class at 98 °C	Class	HGB 3
Coefficient of expansion	$\alpha$	9.4 ± 0.4 · 10 <sup>-6</sup> K <sup>-1</sup>	Resistance to alkalis	Class	A 2
Light refraction index	$n_D$	1.5200 + 0.0010	Resistance to HCl acid	Class	1.
Softening point (10 <sup>7.65</sup> dPa s)	$t_L$	686 ± 10 °C			
Transformation point (10 <sup>13.3</sup> dPa s)	$t_g$	504 ± 10 °C			
Deformation temperature (10 <sup>11</sup> dPa s)	$t_d$	568 ± 10 °C			

### INFORMATIVE COMPOSITION IN %

SiO <sub>2</sub>	68	CaO	6
Na <sub>2</sub> O	11	BaO	4
K <sub>2</sub> O	6	ZnO	3
Al <sub>2</sub> O <sub>3</sub>	0.6	B <sub>2</sub> O <sub>3</sub>	0.1





## PRECIOSA Traditional Czech Glass

A member of the Preciosa Group

Preciosa Group is a global leader in products manufactured from crystal. From the world famous Czech Beads and Crystal Components used in fashion industry, to tailor made Lighting projects for luxury hotels, royal palaces and yachts, the true craftsmanship of crystal production has been present in Bohemia since 16th century.

[Preciosa-Ornela.com](http://Preciosa-Ornela.com)