

FULLY COMPATIBLE FUSING GLASS

LIBIA

Colors 96



PRECIOSA

LIBA Colors 96

PRECIOSA ORNELA presents a collection of colored smoothly fusible glass under the name “LIBA Colors 96”.

This semi-product is produced in the form of poured rods and it is suitable for processing with various melted connection techniques (for example, fusing). It can be used to produce melted colored objects which are subsequently shaped.

The glass composition has been optimised so that all the colors are compatible and do not crack during any subsequent processing.

The color range

LIBA 2000+ DSS	10030 topaz DSS	30010 sapphire DSS	50610 blue peridot DSS	60200 green aquamarine DSS
80010 amber DSS	90070 ruby DSS	92060 ruby alabaster DSS	92070 ruby alabaster DSS	03040 chalk DSS
23980 black DSS	20300 violet DSS			



Tempering colors

80010 amber DSS	90070 ruby DSS	92060 ruby alabaster DSS	92070 ruby alabaster DSS
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It is necessary to reheat the rods to achieve the final shade.



<i>Technical parameters</i>	
Rod diameter	profile (10) V 28 x 30 mm
Packaging/case weight	600 kg net

<i>Informative technical parameters</i>	<i>Units</i>	<i>Values</i>								
Specific gravity	kg / m ³	2500 ± 50								
Coefficient of expansion α	K ⁻¹	(9,60 ± 0,15) × 10 ⁻⁶								
Transformation point t _g	°C	500 ± 15								
Deformation point t _d	°C	575 ± 15								
Softening point t _s	°C	695 ± 10								
Hydrolitic resistance at 98 °C	class	HGB III								
Informative chemical composition of the glass	%	<table border="0"> <tr> <td>SiO₂</td> <td>68</td> </tr> <tr> <td>Na₂O + K₂O + CaO</td> <td>20</td> </tr> <tr> <td>ZnO + B₂O₃ + MgO</td> <td>5</td> </tr> <tr> <td>MnO₂ + Cr₂O₃</td> <td>2</td> </tr> </table>	SiO ₂	68	Na ₂ O + K ₂ O + CaO	20	ZnO + B ₂ O ₃ + MgO	5	MnO ₂ + Cr ₂ O ₃	2
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Detailed specifications are available for each color upon request.
 The main parameters are regularly laboratory measured.
 Each produced batch - the furnace is laboratory tested.



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.

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