



# HARZKRISTALL NUGGETS

## Crystal clear Studio Glass

Lead-free crystal clear raw material for glassblowing, kilncasting and free hand sculpting. Especially made for studio glassblowers. Smooth working and compatible with Reichenbach and Gaffer Colors. Easy to reheat and made from purest raw materials. This lead-free crystal glass complies with European Union standards.

ANALYSIS in Weight %	
ELEMENTS	Percentage(+/- 0,5%)
SiO <sub>2</sub>	69,5
Al <sub>2</sub> O <sub>3</sub>	0,3
CaO	4,8
Na <sub>2</sub> O	12,5
K <sub>2</sub> O	4,5
Li <sub>2</sub> O	0,2
BaO	4
Sb <sub>2</sub> O <sub>3</sub>	0,4
Eb <sub>2</sub> O <sub>3</sub>	0,05
B <sub>2</sub> O <sub>3</sub>	1,5
ZnO	2
SO <sub>3</sub>	0,25

VISCOSITY (Lakatossystem)		
dPa s	Temperature	
LOG	Celsius	Fahrenheit
2.0	1397	2546,6
2.5	1253	2287,4
3.0	1138	2080,4
4.0	970	1778
7.0	706	1302,8
7.6	673	1243,4
7.65	670	1238
10.0	577	1070,6
13.0	501	933,8
13.3	496	924,8
14.5	474	885,2

### HOW to MELT Harzkristall Nuggets?

*Please consider that fullfurnaces consume less energy than empty ones. If possible, preheat the Harzkristall Nuggets in the annealer before charging your furnace.*

Our Nuggets do **not** have to be melted like batch. They just have to be reheated. Just follow these three easy steps:

1. At the end of your working day, charge your furnace straight away with **Harzkristall Nuggets**.
2. Heat your furnace to 20 degrees higher than your working temperature.
3. Go home, come back next day for work and enjoy your glass.

### Harzkristall Nuggets

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