



GLASMA 325

LEAD-FREE CRYSTAL GLASS

Glasma 325 is a crystal glass batch especially developed to fulfill high demands when for example producing crystal wine glasses, tumblers, decanters etc. Its excellent hydrolytic resistance makes it perfect for glass being frequently washed in a dishwasher. Glasma 325 fulfills the crystal glass classification according to EU Council Directive 69/493/EEC. The glass raw materials are pelletized which provides outstanding conditions for very fast melting and excellent refining. The glass is developed to be the perfect choice for glass blowing and forming of thin glass products.

Glasma 325 is perfectly matched with the Glasma Colour System and it can normally be combined with other colour systems as well.

The Glasma pelletized batch system gives outstanding advantages. Including savings on energy and equipment, crystal clear glass, consistent high quality, improved environment and less administration.



Glasma 325

SPECIFICATIONS OF GLASS PROPERTIES

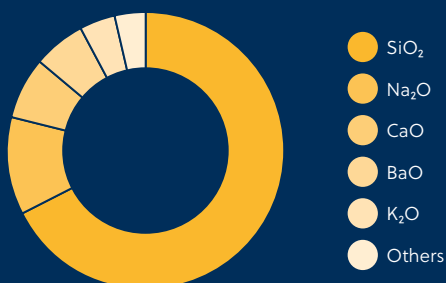
REV. 2022-10-31

BATCH TYPE

Lead-free crystal glass, delivered as pelletized glass raw materials.

Crystal classified according to EU Council Directive 69/493/EEC.

COMPONENTS



THEORETICAL PROPERTIES

Viscosity as log η (dPas)	$\log \eta \approx 2$ at 1390 ± 10 °C (2534 ± 20 °F) $\log \eta \approx 5$ at 868 ± 10 °C (1594 ± 20 °F)
Transformation temperature (T _g)	$\log \eta \approx 13$ at 523 ± 5 °C (973 ± 10 °F)
Thermal expansion (α_{20-300} °C)	$9,7 \cdot 10^{-6} \pm 0,2$ K ⁻¹
Density	$2,61 \pm 0,01$ kg/dm ³
Refractive index (n_{D20})	$1,53 \pm 0,005$
Recommended melting range	1300 to 1400 °C (2372 to 2552 °F)
Recommended annealing temperature	530 ± 10 °C (986 ± 20 °F)
Hydrolytic resistance ISO 719	0,8 ml 0,1N HCl/g glass

Please be aware that theoretical values only provide a guideline. Each melting process is unique and must be adjusted and optimized before the desired result can be obtained.

STANDARDS

Glasma is certified according to ISO 9001 and ISO 14001.