## **GLASMA AB**

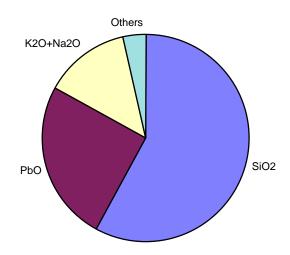
## Specification of glass properties

**BATCH TYPE No:** 80 D

**Definition by EU-directive**: Full lead crystal (24%)

The raw material is supplied as pelletized batch. Pellets are delivered in big bags of approximate 1000 kg corresponding to 910 kg of glass.

## **Major Components:**



Calculated Physical Properties: Viscosity as  $\log \eta$  (dPas). (Glafo)

 $\log \eta = 2$  at  $1388 \pm 10$  °C  $\log \eta = 5$  at  $835 \pm 6$ 

Transformation Temperature Tg =  $447 \pm 5^{\circ}$ C (log  $\eta \approx 13$ ) (Glafo)

Thermal Expansion  $\alpha_{20-300 \, ^{\circ}\text{C}} = 9.6*10^{-6} \pm 0.2 \, \text{K}^{-1}$ 

Density =  $2.98 \pm 0.01 \text{ kg/dm}^3$  (Appen) Refractive Index  $n_{D20} = 1.555 \pm 0.005$  (Appen)

Recommended Melting Range, bigger pots
Recommended melting Range, smaller pots
1380-1410 C
1300-1350 C
Recommended Annealing Temperature
455±5 C