

# GLASS BALLS

## SODA-LIME GLASS

Resistant to high alkaline solutions. Soda-lime glass balls are mainly used for applications not subjected to strong mechanical or thermal shocks, such as plastic bearings, measurement and control equipment, instruments and ink cartridges.

## BOROSILICATE GLASS

Due to its excellent chemical inertia to most acids, this kind of glass is particularly suitable for metering pumps and valves against strong oxidising concentrations.



### CHEMICAL COMPOSITION%

MATERIAL	SiO <sub>2</sub> %	Na <sub>2</sub> O %	CaO %	Al <sub>2</sub> O <sub>3</sub> %	MgO %	Li <sub>2</sub> O %
Soda-lime glass	63-81	9-15	7-14	2 max	6 max	2 max
Borosilicate glass	65-85	3-9	2,5 max	1-5	-	-

PROPERTIES	SODA-LIME GLASS	BOROSILICATE GLASS	
Specific weight	2.50	2.23	
Hardness (KNOOP-KHN)	465	418	
Melting point ° C	695	820	
MAX TEMPERATURE USE(MECHANICAL)			
Normal ° C	110	230	
Extreme ° C	460	490	
Resistance to thermal stress	17° C	53° C	