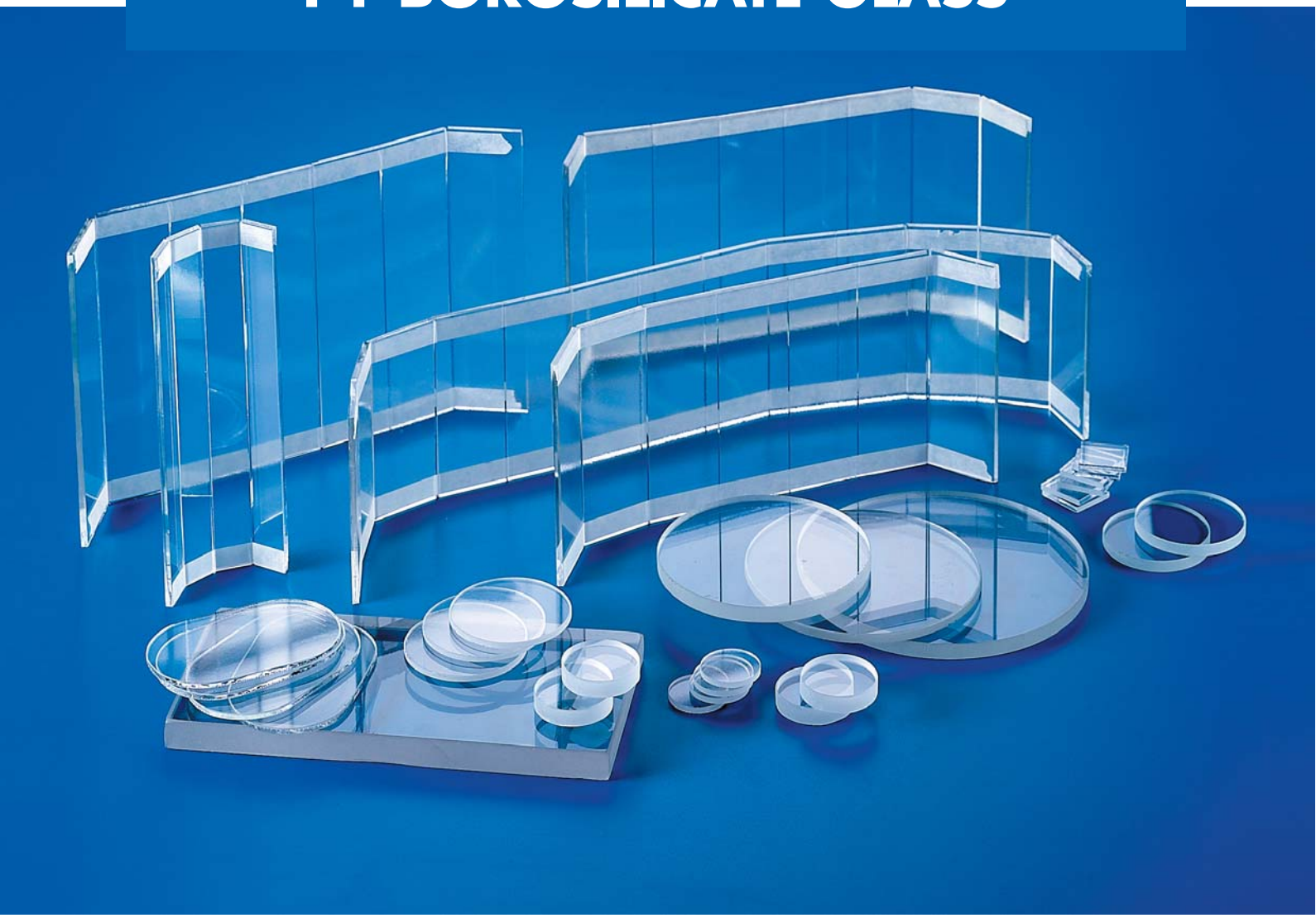
PY BOROSILICATE GLASS



Borosilicate glass is used in all those applications where there is a need to observe something without touching it or as a protection, so for low-pressure sight windows and machinery protections glass. Owing to its high technical resistance, (around 490° C) it can also be used for gas stoves, wall boilers, electric ovens, etc. Borosilicate glass is supplied in sheets or rings in accordance with customer specifications

TECHNICAL FEATURES

- **Max T°:** *490° C (for short periods of time only)*
- **Operating T°:** *230° C*
- **Max Δ T:** *130° C*

PHYSICAL PROPERTIES

- **Specific gravity, g/cm³:** *2,23*
- **Refractive index n_d:** *1,474*
- **Coefficient of thermal expansion:** *$32,5 \times 10^{-7} \times K^{-1}$*
- **Young's module, Kg/mm²:** *6400*
- **Poisson coefficient:** *0,20*
- **Knoop Hardness, KHN 100:** *418*
- **Alternate flexure ultimate tensile strength (25° C), N/mm²:** *49 (corresponding to Kg/mm² 4,9)*

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THICKNESS

2,75 mm	± 0,3 mm
3,3 mm	± 0,3 mm
5 mm	± 0,2 mm
6,5 mm	± 0,2 mm
9 mm	± 0,3 mm
11 mm	± 0,3 mm
15 mm	± 0,3 mm
20 mm	± 0,3 mm

Other thicknesses upon request.

IMPACT RESISTANCE

Resistance to impact of borosilicate glass is dependant on assembly conditions, glass size, shape and thickness, and type of mechanical stress as well as other parameters.

Therefore, resistance indications are to be verified for each specific case, in accordance with the required specifications and actual circumstances.

Technical data may vary at any time

Should you require any further information, do not hesitate to contact us

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