

Lumiglas®

High temperature resistant explosion-proof glass、 Ultra-high temperature quartz glass

Casting plant; steel plant; aluminum plant special
anti-iron water splash high temperature explosion-proof glass

1. Mechanical strength:

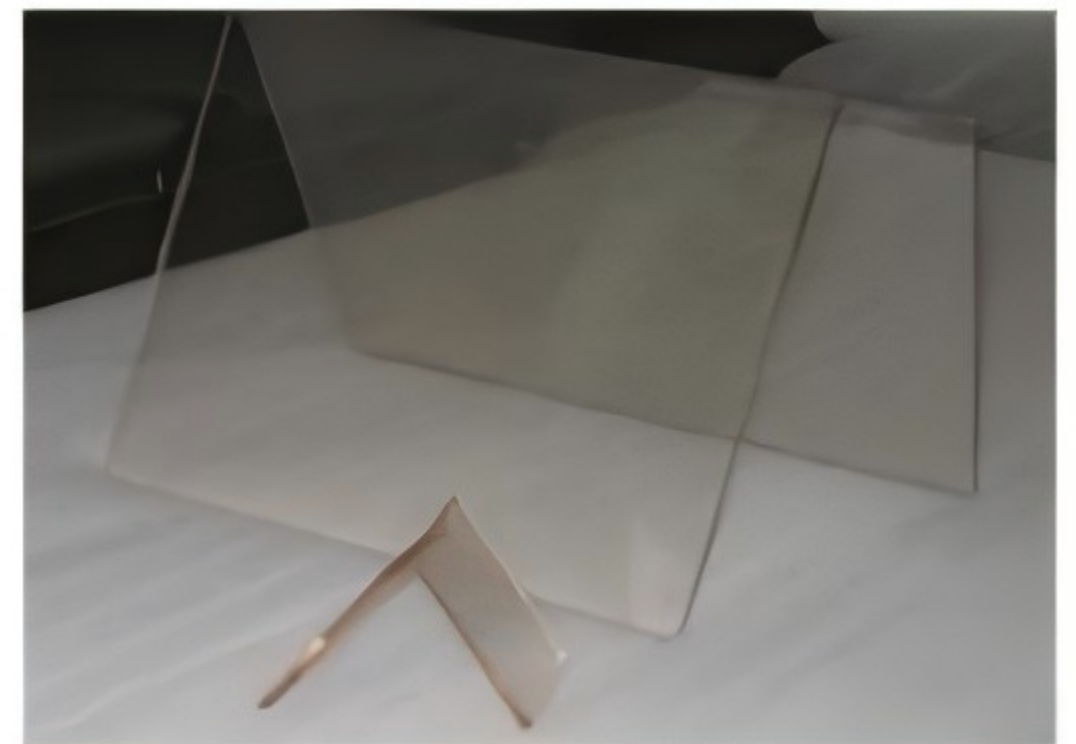
- 1.1 Density: 2.6 g/cm³
- 1.2 Elastic modulus: 93*10³pa
- 1.3 Bending strength: 35 Mpa

2. Thermal performance:

- 2.1 Average linear thermal expansion coefficient: $\alpha(20-700^{\circ}\text{C}) = (0 \pm 0.5) * 10^{-6}/\text{K}$
- 2.2 Temperature difference performance of the same piece (RTD) $\leq 760^{\circ}\text{C}$
- 2.3 Thermal shock resistance performance: $T_{\text{es max}} \leq 760^{\circ}\text{C}$ no rupture occurred

3. Using unit:

Nanjing Iron and Steel, Maanshan Iron and Steel,
Shanghai Baosteel, Tonghua Iron and Steel,
Jianlong Iron and Steel Ganglu Iron and Steel
and many other iron and steel plants prevent the
splash of molten iron from exploding.



4. Chemical performance mechanical strength:

- 4.1 Alkali resistance DIN12116 HGB1
- 4.2 Alkali resistance DINISO719 HGB2

5. Scope of application:

Iron and steel mills, aluminum mills, and foundries are protected from
molten iron splashes, observation window in the central control room.

6. Machinable shape:

Steel plant, aluminum plant, casting plant to prevent
molten iron splash, central control room observation
window.

7. Material:

Quartz glass resistant to ultra-high temperatures
(transparent light brown).



8. Maximum size:

2100*1220, 1954*1100, basic thickness 4mm, 5mm

9. Operating temperature:

850℃、1000℃、1350℃