

Description

PH300/308 glass is a clear fused quartz available as tubing and rod. The specific properties are:

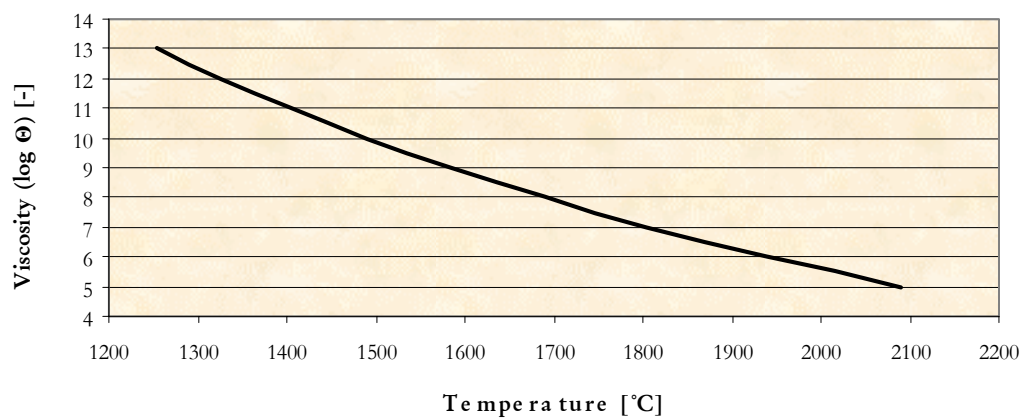
- A high transmittance in the UV region (200 – 400 nm), the visible region (400 – 750 nm) and the IR region (750 – 4500 nm). The typical transmittance at 185 nm and 253,6 nm (major mercury spectral lines) is 70 and 90 % respectively.
- A maximum operating temperature of 1000 °C.

Main application area's are:

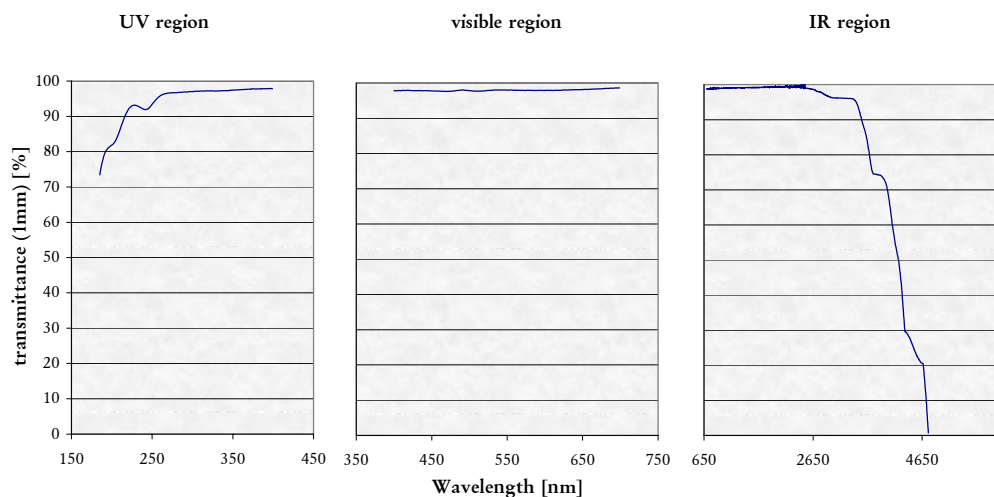
- Envelopes for HID lamps (High Pressure Mercury, Metal Halide)
- Envelopes for Halogen Lamps with low optical distortion
- Sleeves for UV-C Disinfecting Lamps
- Exhaust tubes for lamp manufacturing

Technical data (typical values)

Viscosity



Transmittance



Description

PH303 glass is an UV-C absorbing clear fused quartz available as tubing. The specific properties are:

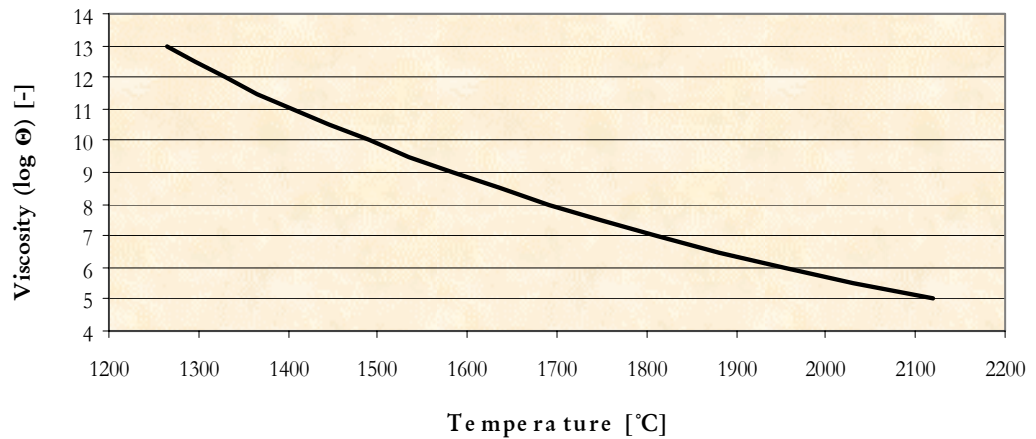
- A strongly reduced UV-C transmittance.
- A high transmittance in the visible region (400 – 750 nm) and the IR region (750 – 4500 nm).
- A maximum operating temperature of a 1000 °C at least.

Main application area's are:

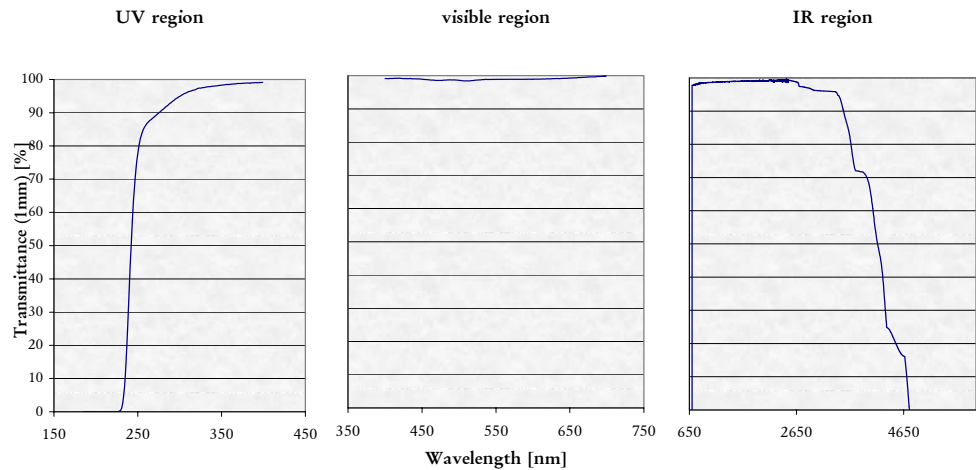
- Envelopes for Sun Tanning Lamps
- Envelopes for Ozone-free UV Lamps

Technical data (typical data)

Viscosity



Transmittance



Philips 304 Glass

dec 2002

Description

PH304 glass is an UV-C absorbing clear fused quartz available as tubing. The specific properties are:

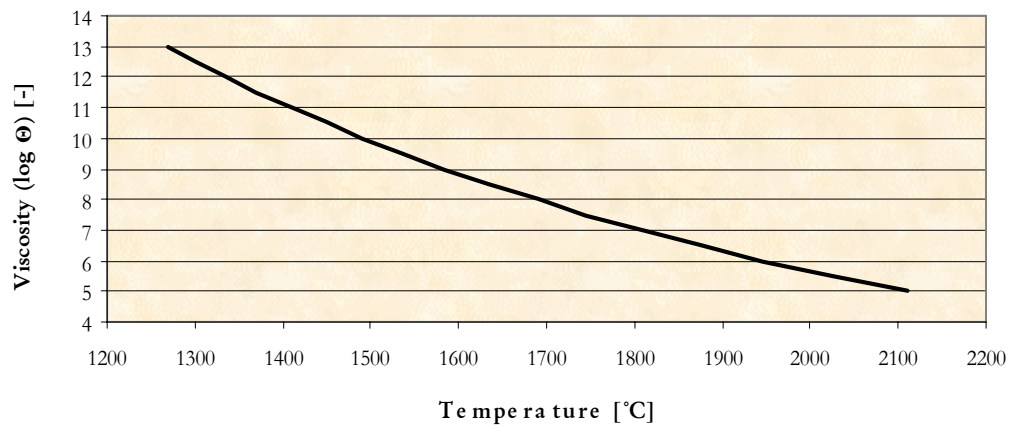
- A partly reduced UV-C transmittance.
- A high transmittance in the visible region (400 – 750 nm) and the IR region (750 – 4500 nm).
- A maximum operating temperature of a 1000 °C at least.

Main application area's are:

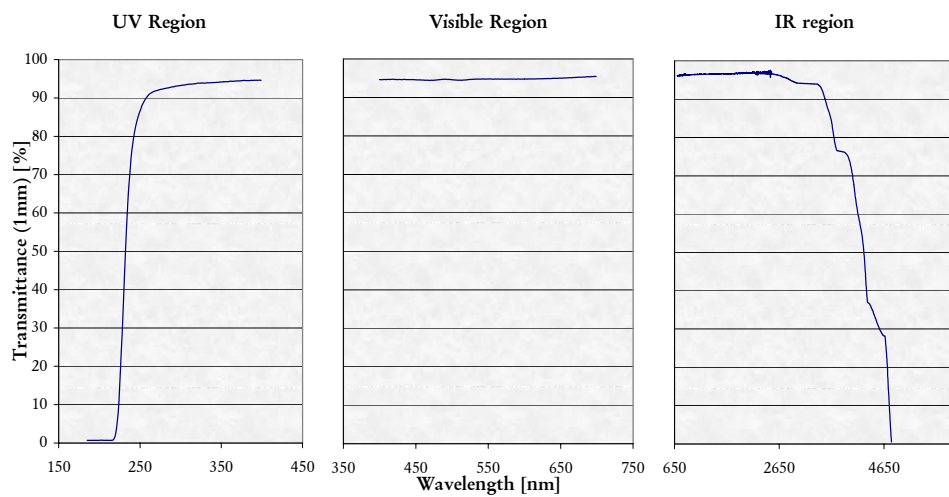
- Envelopes for Low-pressure Germicidal Lamps
- Envelopes for Ozone-free UV Lamps

Technical data (typical values)

Viscosity



Transmittance



Description

PH321 glass is a clear fused quartz available as rod.

The specific properties are:

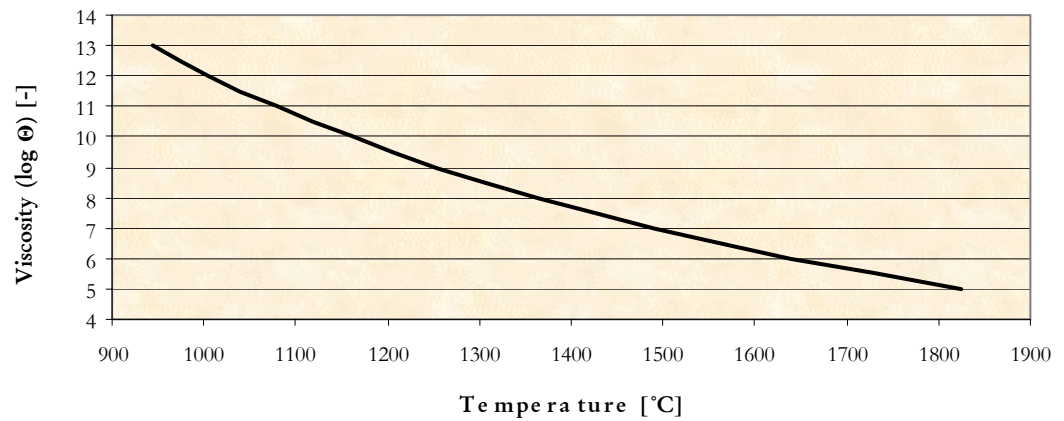
- Processable at higher speeds (lowered softening point)
- A maximum operating temperature of 700 °C at least.

Main application area's is:

- Rods in (Automotive) Halogen Lamps

Technical data (typical values)

Viscosity



Description

PH361 glass is an UV-absorbing clear fused quartz available as tubing. The specific properties are:

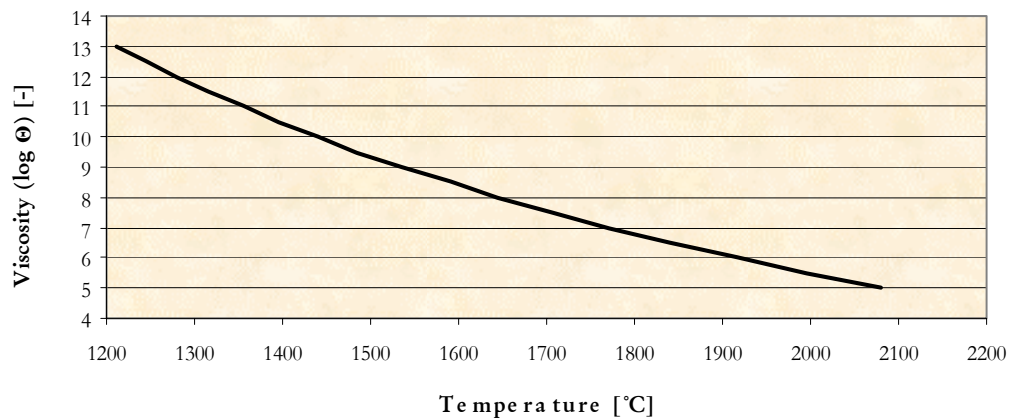
- A strongly reduced transmittance in the UV region.
- A high transmittance in the visible region (400 – 750 nm) and the IR region (750 – 4500 nm).
- A maximum operating temperature of 960 °C at least.

Main application area's are:

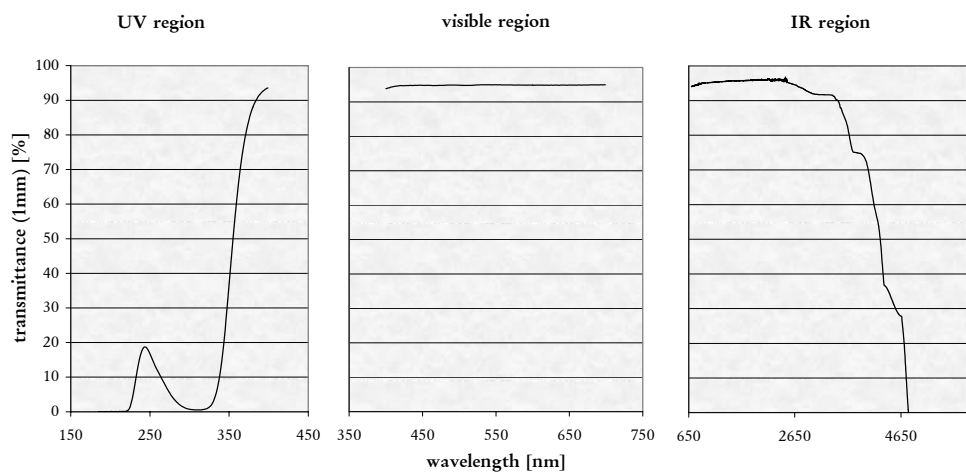
- Sleeves for HID lamps (High Pressure Mercury, Metal Halide) with strongly reduced UV-output
- Envelopes for Halogen Lamps with strongly reduced UV-output

Technical data (typical values)

Viscosity



Transmittance



Description

PH370 glass is a clear fused quartz available as tubing and rod. The specific properties are:

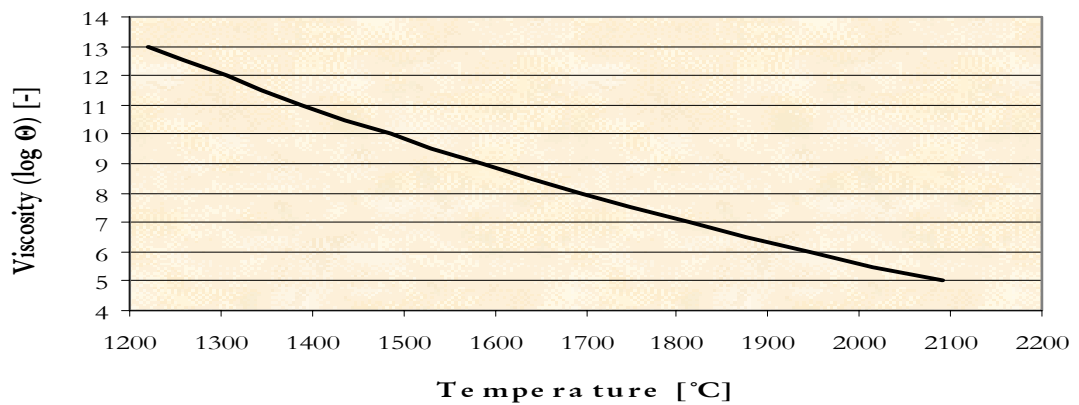
- A high resistance against devitrification due to the low alkaline content.
- Processable into discharge envelopes with no optical distortion due to the low level of gas inclusions.
- A high transmittance in the UV region (200 – 400 nm), the visible region (400 – 750 nm) and the IR region (750 – 4500 nm). The typical transmittance at 185 nm and 253,6 nm (major mercury spectral lines) is 70 and 90 % respectively.
- A maximum operating temperature of a 1000 °C at least.

The main application area is:

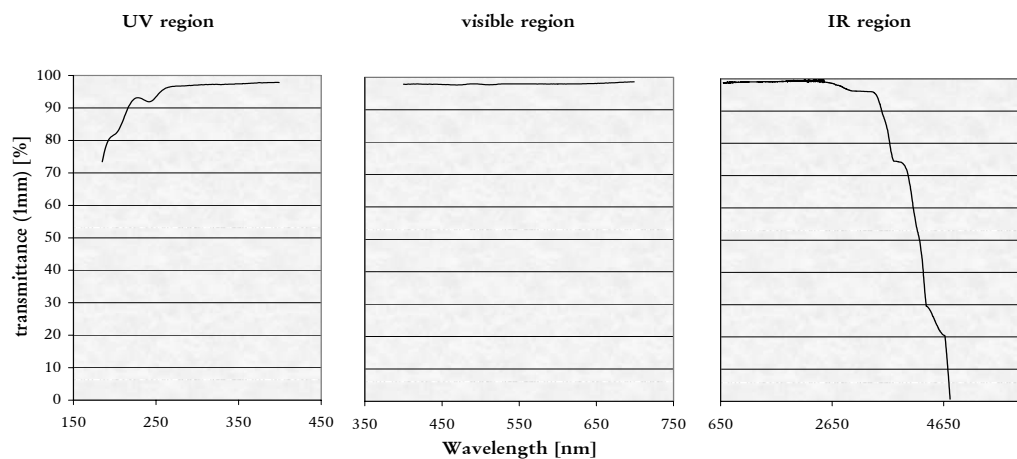
- Envelopes for ellipsoidal HID lamps with a high envelope temperature and low optical distortion.

Technical data (typical values)

Viscosity



Transmittance



Description

PH408 glass is an UV-absorbing clear fused quartz available as tubing. The specific properties are:

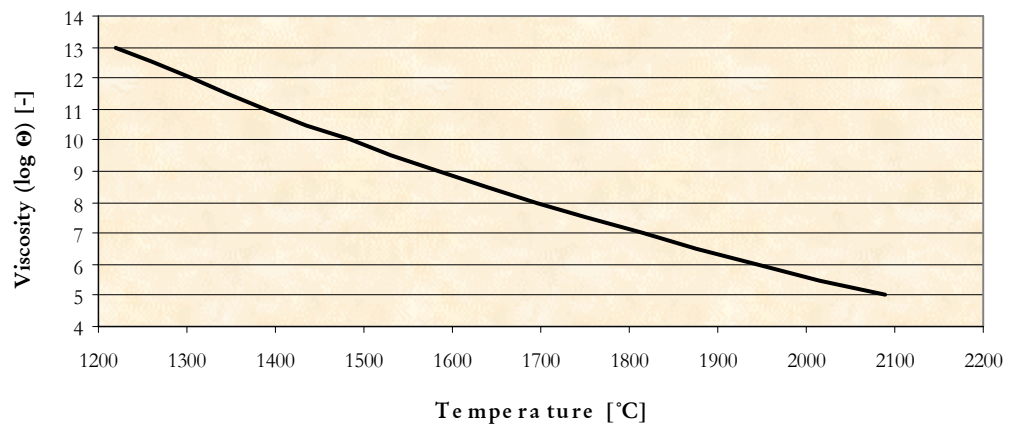
- A reduced transmittance in the UV region
- A high transmittance in the visible region (400 – 750 nm) and the IR region (750 – 4500 nm).
- A maximum operating temperature of a 1000 °C at least.

Main application area is:

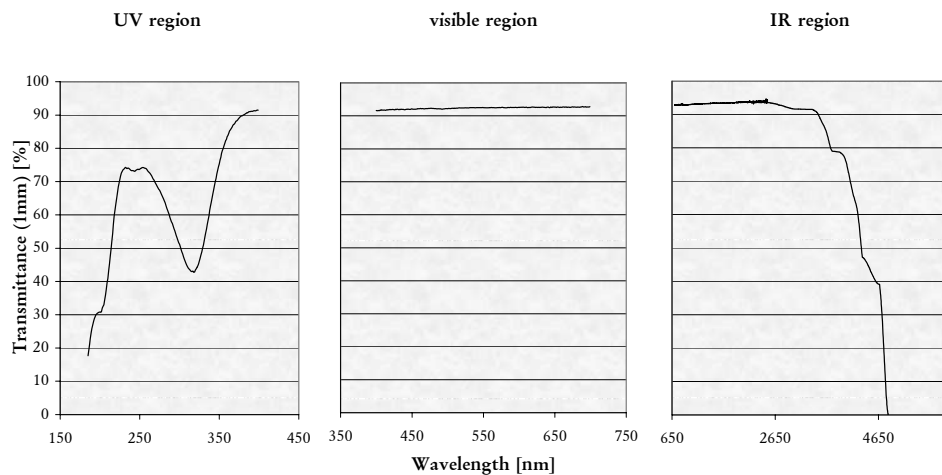
- Envelopes for Halogen Lamps with reduced UV-output

Technical data (typical values)

Viscosity



Transmittance



Description

PH409 glass is a clear fused quartz available as tubing.

The specific properties are:

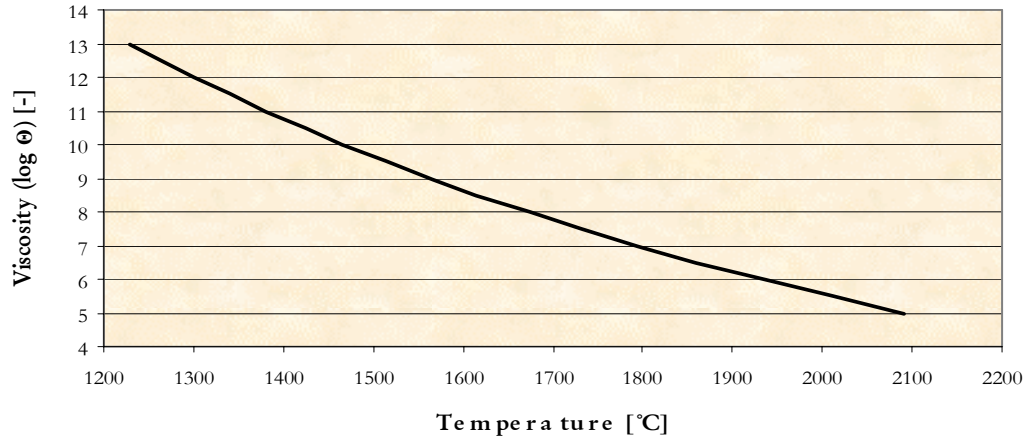
- A high transmittance in the visible region (400 –750 nm) and the IR region (750 nm –4500 nm).
- A maximum operating temperature of a 1000 °C at least.

The main application area's are:

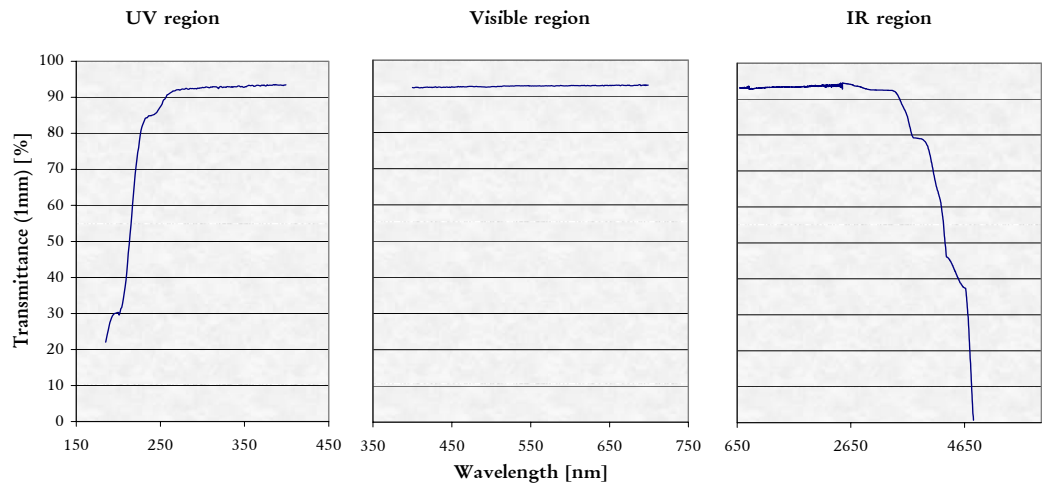
- Exhaust tubes for lamp manufacturing
- Envelopes for thermocouples

Technical data (typical values)

Viscosity



Transmittance



Description

PH501 glass is a clear fused quartz available as tubing and rod.

The specific properties are:

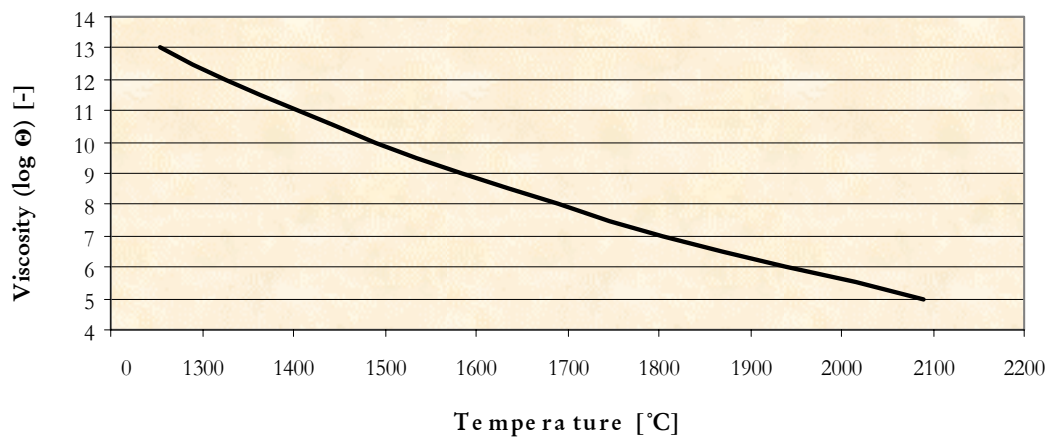
- processable into discharge bulbs with no optical distortion due to the low level of gas inclusions.
- A high transmittance in the UV region (200 – 400 nm), the visible region (400 – 750 nm) and the IR region (750 – 4500 nm). The typical transmittance at 185 nm and 253,6 nm (major mercury spectral lines) is 70 and 90 % respectively.
- A maximum operating temperature of a 1000 °C at least.

Main application area's is:

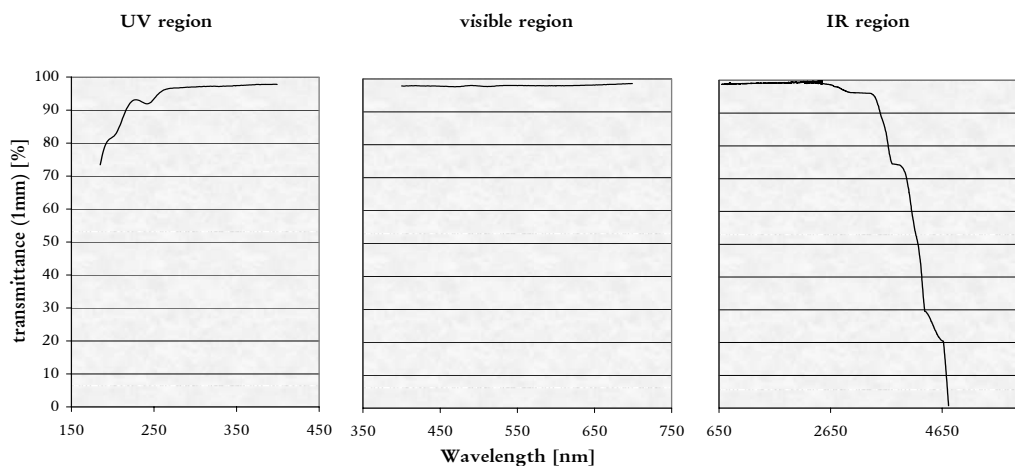
- Envelopes for ellipsoidal HID lamps with low optical distortion.

Technical data (typical data)

Viscosity



Transmittance



Description

PH521 glass is an UV-absorbing clear fused quartz available as tubing. The specific properties are:

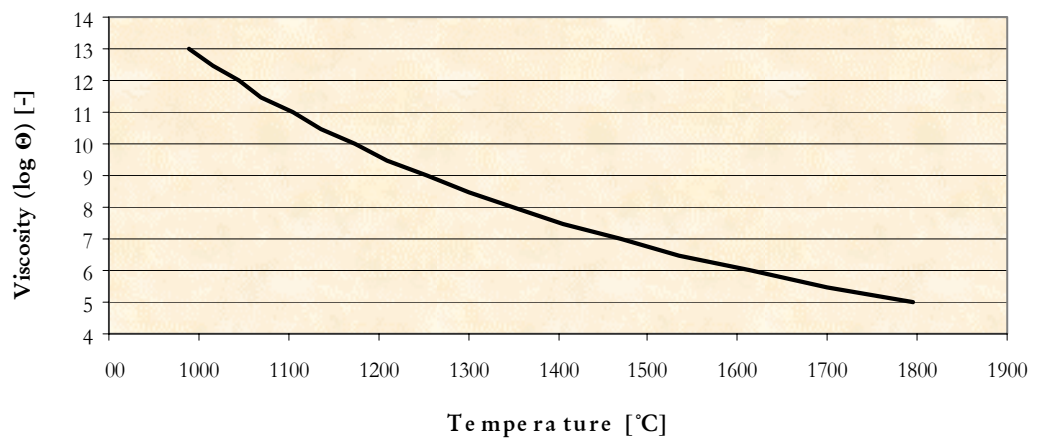
- Processable at higher speeds (lowered softening point).
- A strongly reduced transmittance in the UV region.
- A high transmittance in the visible region (400 – 750 nm) and the IR region (750 – 4500 nm).
- A maximum operating temperature of 700 °C at least.

Main application area's are:

- Sleeves for (Automotive) HID Lamps with strongly reduced UV-output
- Envelopes for (Automotive) Halogen Lamps with strongly reduced UV-output

Technical data (typical values)

Viscosity



Transmittance

