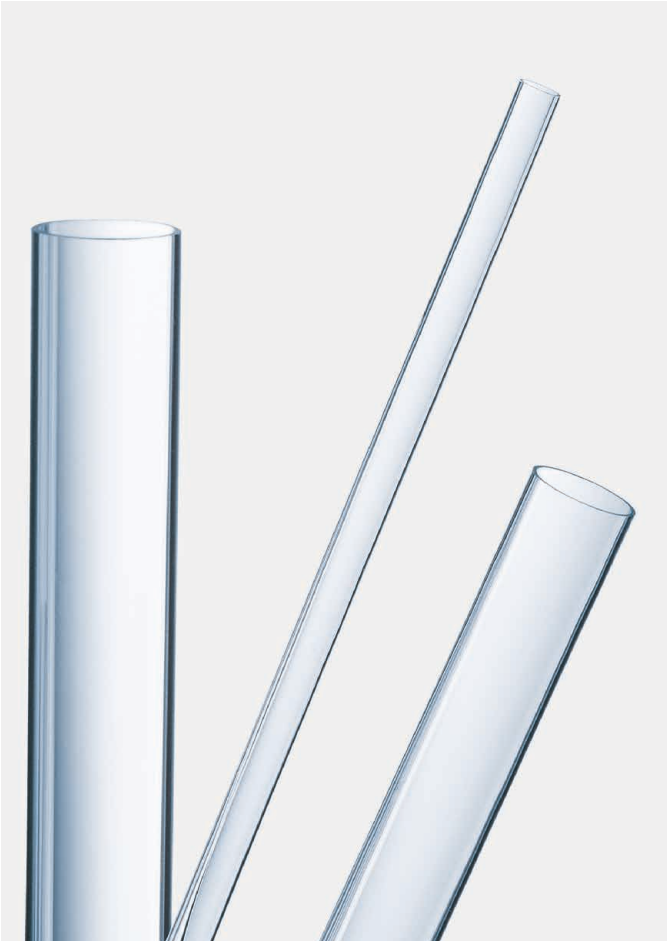
SCHOTT 8366

A new sealing glass in SCHOTT's soft glass portfolio – compareable to traditional Barium-glasses



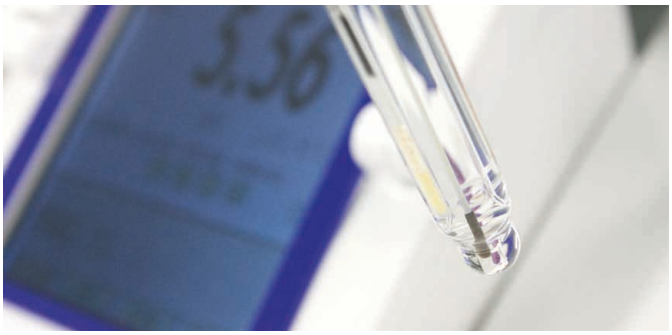
8366 offers suitable sealing properties for sealing partners in the soft glass region and belongs to a group of lighting glasses known as Ba-glasses like the former PH360, which have unique sealing properties.

One particular use is the sealing of pH sensitive membrane glasses to the 8366 tube to form pH electrodes. The unique viscosity points and the thermal expansion enable such seals that can withstand high temperature shocks.

Another important factor in favour of glass 8366 is the high electrical resistance among soft glasses, which makes it suitable in electronic equipment as an insulator and also at higher temperatures.

Potential use

- Tubes for pH electrodes
- Sealing glass for special lighting
- Sealing glass in electronics



Technical data

Physical and chemical data (excerpt)	(approx. value)
Coefficient of mean linear thermal expansion α (20 °C; 300 °C) acc. to ISO 7991	$9.2 \times 10^{-6} K^{-1}$
Transformation temperature T_g acc. to ISO 7884-8	470 °C
Glass temperature at viscosity η in dPa × s 10^4 (working point) acc. to ISO 7884-2	1015 °C
Log of the electric volume resistivity (Ω × cm) at 250°C at 350°C	 8.6 6.8

Size range of available tube dimensions

Outside Diameter (OD)	Wall Thickness (WT)	Standard Length
1.25 – 25.5 mm	0.3 – 1.5 mm	1500 mm

other sizes upon request

Every OD/WT combination may not be feasible.
Please feel free to contact us.

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