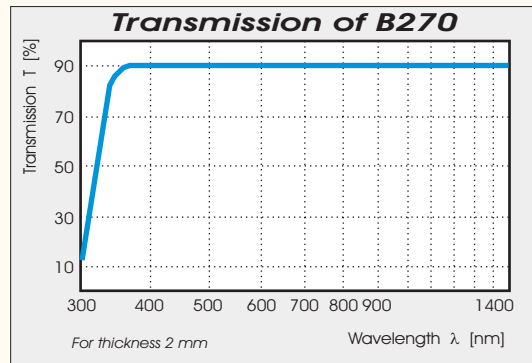


Standard glass B270

B 270 Superwite® from SCHOTT is a clear, high transmission crown glass produced by melting high purity raw materials. B 270 Superwite® is marked by a high transmission in the range of the visible radiation and in the UV and IR ranges.

Color neutrality and outstanding transmission properties are two features of B270 Superwite® that have opened up a wide range of possible applications: in slide and overhead projectors, car headlights, for clock and display glasses, in photocopiers and oscillographs, binoculars, magnifying glasses and torches, lenses and prisms. Wherever light has to be transferred without undergoing any adverse change, clearly and without obstruction, B270 Superwite® is an important element in solving a problem.

B 270 Superwite® can be processed like conventional glass. It can be cut, curved, sagged, ground, polished, etc. In addition, B 270 Superwite® lends itself extremely well to thermal tempering. MOULDED OPTICS GMBH has specialised in manufacturing aspherical lenses, mirrors, prisms, and other optical components from this glass, using a blank moulding process. High-quality Half Ball Lenses, in extremely large quantities and at the lowest cost, are the latest development of MOULDED OPTICS GMBH. Blank moulded lenses offer the best cost-effectiveness. Lenses made from B270 Superwite® are lead-free, mercury-free, chromium-free and cadmium-free.



The moulding process used by Moulded Optics GmbH and the glass B270 Superwite® fulfill :

German "Elektro- und Elektronikgesetz (ElektroG)" §5(1)

**"Restriction on the use of certain hazardous substances in electrical and electronic equipment (RoHS)"
2002/95/EG**

**"Waste Electrical and Electronical Equipment Directive (WEEE)"
2002/96/EG**

Guideline to the RoHS by the European Commission, published in May 2005, §2.2

**Commission Decision of 21 Oct 2005, Annex 3.13, published 25.Oct.2005
2005/747/EC**

Please ask us for the certificate for all the lenses you are buying from MOULDED OPTICS GmbH.

B270		
Refraction Index	n_e	1.5251
Refraction Index	n_d	1.5230
Abbe Number	n_e	58.3
Abbe Number	n_d	58.5
Coefficient of mean linear thermal expansion	$\rho_{(20 \dots 300^\circ\text{C})}$	$9.4 \cdot 10^{-6} / \text{K}$
Density	$\rho\rho$	2.55 g/cm^3

RoHS/WEEE Cd	✓	RoHS/WEEE Hg	✓	RoHS/WEEE Cr	✓	RoHS/WEEE Pb	✓	RoHS/WEEE PBB	✓	RoHS/WEEE PBDE	✓
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