



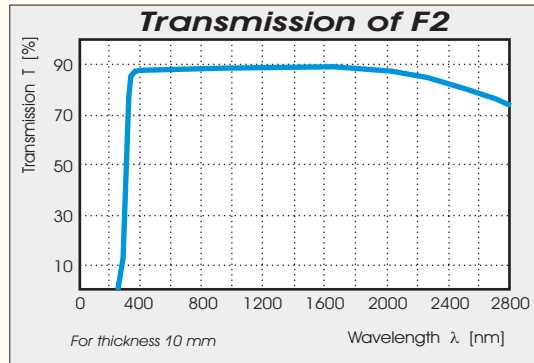
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F2 glass

High-quality optical glass, by SCHOTT with a high refraction index and a low Abbe number.

The expansion index is a little bit better than the index of B270, but the price of F2 is much higher. So, F2 is the best glass where a much higher refraction index than B270 is a must.

A higher refraction index means smaller dimensions for the design of optical systems. Due to the high lead content F2 is used for x-ray systems.



The moulding process used by Moulded Optics GmbH and the F2 glass 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.

F2		
Refraction Index	n_e	1.62408
Refraction Index	n_d	1.63004
Abbe Number	n_e	36.11
Abbe Number	n_d	36.37
Coefficient of mean linear thermal expansion	$\rho(20 \dots 300^\circ\text{C})$	$9.2 \cdot 10^{-6} / \text{K}$
Density	$\rho\rho$	3.61 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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