



SCHOTT to offer high homogeneous optical glasses in quality levels up to H4 from stock

Various high-quality optical glasses up to the homogeneity level H5 available

Mainz (Germany) & Shenzhen (China), September 4, 2013 – The international technology group SCHOTT that has over 125 years of experience in manufacturing special-purpose optical glasses has now announced that the most popular high-quality glass types of up to quality level H4 will be available from stock and can be ordered in the form of cut blanks starting soon. Furthermore, the company will be offering high-quality glasses for use in large high precision optics up to the homogeneity level H5. High homogeneous glasses are particularly well-suited for use in high-power laser and astronomical applications. SCHOTT will be presenting its high homogeneous glasses this week at the CIOE in Shenzhen, China, (Hall 9, Booth D22).

The superior quality of an optical material is reflected in its homogeneity and, to be even more specific, in an extremely narrow variation range for the entire piece of glass with respect to refractive index. “In response to growing demand, we will now be offering our customers a range of high homogeneous glasses that can be used to manufacture cut blanks extremely quickly and in a flexible manner,” explains Andreas Hädrich, Sales Director for Europe at SCHOTT Advanced Optics.

SCHOTT offers glasses in five levels of homogeneity. Thanks to a carefully controlled manufacturing process, glass pieces in H4 quality have a maximum peak to valley refractive index variation of 2×10^{-6} , while the quality level H5 achieves a value of 1×10^{-6} . The maximum variation of refractive index is expressed in peak to valley in accordance with ISO 12123. Glasses of this high

Visit SCHOTT at the CIOE in Shenzhen, China
September 4-7, 2013
Hall 9, Booth D22

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quality enable extremely high resolution imaging and are ideally suited for use in high-performance laser technology to guide the beam very accurately, but also in measurement, semiconductor and satellite technology.

Stock list of materials and maximum available dimensions

| Glass Type* | Supply Form* | Maximum available dimensions* | Homogeneity level |
|---------------|--------------|-------------------------------|-------------------|
| F2 | discs | Ø 290 mm, thickness: 100 mm | H4 |
| LF5 | discs | Ø 220 mm, thickness: 45 mm | H4 |
| LLF1 | discs | Ø 220 mm, thickness: 45 mm | H4 |
| SCHOTT N-BK7® | blocks | 400 mm x 400 mm x 70 mm | H4 |
| SCHOTT N-BK7® | blocks | 250 mm x 250 mm x 100 mm | H4 |
| N-FK5 | discs | Ø 240 mm, thickness: 50 mm | H4 |
| N-FK51A | discs | Ø 200 mm, thickness: 40 mm | H4 |
| N-KzFS11 | discs | Ø 170 mm, thickness: 40 mm | H4 |
| N-LaK22 | discs | Ø 200 mm, thickness: 50 mm | H4 |
| SF5 | blocks | 150 mm x 150 mm x 60 mm | H4 |

* As in the past, other types of glass, supply forms and dimensions are available upon request. (The dimensions depend on the glass type).

Materials available only as customized products

Cut blanks measured in 2 directions available upon request.

All products are shipped together with an individual test report that was produced using a special interferometer.

Some of these glasses are also available as i-Line glasses that combine extremely high refractive index homogeneity and high UV transmittance at 365 nm.

For further information: www.schott.com/advanced_optics

product flyer:

http://www.schott.com/advanced_optics/english/download/schott-hh-glasses-august-2013-eng.pdf

SCHOTT N-BK7® is a registered trademark of SCHOTT AG.

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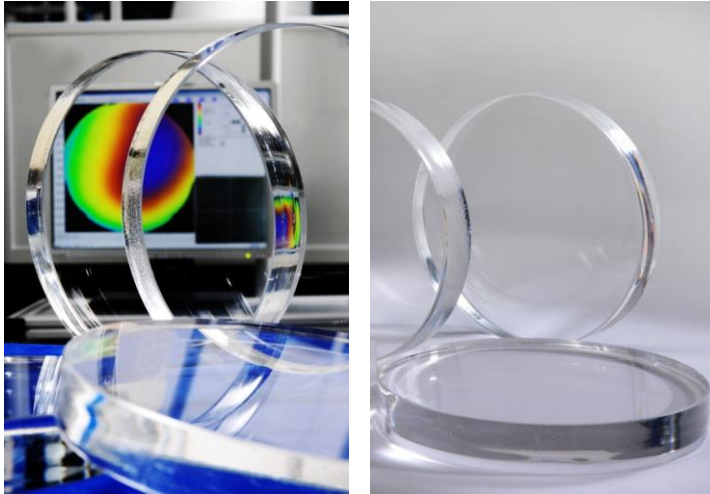
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High homogeneous glasses: SCHOTT will soon be offering various types of glass in the homogeneity level H4 from stock. All products are shipped together with an individual test report that was produced using a special interferometer. Source: SCHOTT.

Download link to image files in print quality:

<http://www.schott-pictures.net/presskit/209862.HH>

More press photographs are available here: www.schott-pictures.net

SCHOTT is an international technology group with more than 125 years of experience in the areas of specialty glasses and materials and advanced technologies. SCHOTT ranks number one in the world with many of its products. Its core markets are the household appliance, pharmaceuticals, electronics, optics, solar power, transportation and architecture industries. The company is strongly committed to contributing to its customers' success and making SCHOTT an important part of people's lives with its high-quality products and intelligent solutions. SCHOTT is committed to managing its business in a sustainable manner and supporting its employees, society and the environment. The SCHOTT Group maintains close proximity to its customers with manufacturing and sales units in 35 different countries. Its workforce of around 16,000 employees generated worldwide sales of approximately 2 billion euros for the 2011/2012 fiscal year. SCHOTT AG, with its headquarters in Mainz, Germany, is owned by the Carl Zeiss Foundation.

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