

HEADLINES:

1. Optical Glass Catalog: Latest Data Sheets in the Internet

The current pocket glass catalog was issued in June 2003. Since then some changes have been made to the glass portfolio and data sheets of individual glasses, e.g. some glasses have been added (N-LASF9, N-LASF31A, N-SF11, SF57 HT, SF57 HHT, N-SF57 HT, N-SF6 HT) other glasses data sheets have been updated. The latest optical glass data sheets can either be downloaded as Excel- or Zemax[®] data files or printed out from our Abbe-Diagram application:

http://www.schott.com/optics_devices/english/products/flash/abbediagramm_flash.html

The data sheets in the pocket catalog have been removed from the Internet download area to prevent confusion.

2. Optical glass data available in Zemax[®] format

Additionally to the already available optical glass datasheet in Excel format Schott now provides these data ready for import directly into the Zemax[®] optical design software:

http://www.schott.com/optics_devices/english/products/flash/abbediagramm_flash.html

Please unzip and store the glass-catalog file directly into your Zemax[®] glass-catalog folder. Please note the Zemax[®] glass-catalog file contains only preferred optical glasses. The date given next to the download link denotes the latest update of the data.

3. New: Technical Information No. 36: Fluorescence of optical glasses

The Technical Information no. 36 gives an overview on the origins and characterisation methods of fluorescence of optical glass. The characterization of fluorescence for optical glass is available for excitation wavelengths between 250 and 700 nm with an emission between 300 and 850 nm.

Schott can provide measurement for optical and coloured glass with an accuracy and reproducibility better than 10 percent. Additionally the technical information contains typical fluorescence emission spectra of several optical glasses at excitation wavelengths of 365 nm and 550 nm. The Technical Information no. 36 can be downloaded from our internet pages under the following link:

http://www.schott.com/optics_devices/english/download/index.html

4. New Zerodur® catalog

An updated version of the Zerodur® catalog is available as download on:

http://www.schott.com/optics_devices/english/download/index.html

Detailed information on bending strength can now be found in the new Technical Information no. 33: "Design strength of optical glass and Zerodur®" in the same download area.

5. Technical Information No. 34: Lead and Cadmium containing Glasses

The EC-Directive RoHS prohibits selling electric and electronic equipment containing lead and cadmium within and to the EC from July 2006 on. Last year optical industry applied for an exemption for optical and colored glasses containing these elements. At present a study is prepared as a proposal for the EC to decide about the application. A decision is expected by the beginning of 2005. More detailed information can be found in the SCHOTT Technical Information No 34 RoHS Hazardous Substances in Optical Glass, which can be downloaded from:

http://www.schott.com/optics_devices/english/download/index.html

6. New filter glass catalog

We'll publish a new filter glass catalog soon. 17 glass types will be discontinued due to decreasing demand over the last years.

Details: http://www.schott.com/optics_devices/english/download/index.html

7. New established glass types N-LASF31A and N-LASF9 continuously produced

As a step forward to be able to serve the increasing demand for High Index Lanthanum Glasses we have developed a new version of N-LASF31 from continuous melt which, can now be repressed and will have improved availability. The chemical composition was therefore slightly changed and the optical position has slightly been adapted.

We named the new repressable version N-LASF31A.

In addition we have meanwhile switched the lead free LASFN9 to continuous tank production and have exchanged the refining agent in order to provide the eco type version N-LASF9.

The new glass types N-LASF9 and N-LASF31A can now be offered at a more competitive price level by taking advantage of progress with respect to melting technology:

http://www.schott.com/optics_devices/english/products/flash/abbediagramm_flash.html

Greetings from Mainz

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