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1. **New high refractive index optical glass N-SF66 ($n_d = 1.92286$, $n_d = 20.88$)**

SCHOTT continues to expand the product range of lead and arsenic free high refractive index optical glasses by the establishment of N-SF66 (the eco version of our SF66). N-SF66 can replace SF66 because N-SF66 can be more easily processed and has the same optical position in the Abbe-diagram.

Due to this very recent success in development we can currently provide a preliminary data sheet for N-SF66 upon request. The complete data sheet will be soon available on our internet site.

2. **Changes in our product range of preferred optical glasses valid from the 1st of January 2006 on**

The following glass types belonging to our product range of preferred optical glasses will be discontinued as of the 1st of January 2006:

SFL57, LASFN9, N-SF19, LAKL12, N-LASF46, N-LASF31, N-FK51, N-LAF32 and N-SK10

Customers who have used these glasses in the past will be contacted separately to either propose alternative glass types or to discuss solutions to cover the remaining demand for those glass types.

http://www.schott.com/optics_devices/english/news/press.html

3. **Aspherical lenses in new qualities available**

SCHOTT Guinchart, a division of SCHOTT Switzerland in Yverdon-Les-Bains, is now offering an expanded range of aspherical precision lenses.

http://www.schott.com/optics_devices/english/news/press.html

4. RoHS-exemption for optical glass and filter glass containing lead and cadmium officially released

On October 21st, 2005 the European Commission (EC) officially accepted the application for exemption concerning the EC-directive RoHS (2002/95/EC) regulations for optical and filter glasses containing lead and cadmium. Hence all optical and colored glasses supplied by SCHOTT Optics for Devices conform to the regulations of the RoHS. There is no need for certificates of compliance anymore.

The exemption is time-limited for four years like all RoHS-exemptions in general starting from the day when an item is added to the list in the annex of the RoHS. For optical and filter glass the exemption will be valid until September 2009. SCHOTT will continue to observe whether the optical and filter glasses containing lead and cadmium will be required continuously and if needed apply for a prolongation in due time.

Here is the link to the original EC-document (Commission decision 2005/747/EC):

http://europa.eu.int/eur-lex/lex/LexUriServ/site/en/oj/2005/l_280/l_28020051025en00180019.pdf

5. New: “Technical information”: “TIE-38 Lightweighting of ZERODUR®”

The thermal stability of mirrors in modern astronomical telescopes (either ground based or space) is not the only crucial issue in the design. With the increasing apertures of the mirrors the weight and stiffness of the components become an important issue. Therefore many mirror designs today exhibit a thin faceplate with a lightweight back structure resulting in an optimized weight per area ratio and stiffness. The new “Technical Information” TIE-38 gives an overview on the possibilities of the generation of lightweight structures in ZERODUR® at SCHOTT.

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

6. New: “Technical information”: ”TIE-35 Transmittance of optical glass”

Optical glasses are optimized to provide good transmittance throughout the total visible range from 400 to 800 nm. Due to improved melting technology high refractive index glasses are currently offered nowadays with better transmittance than in the past. The aim of the “Technical Information” TIE-35 is to give the optical designer a better understanding of the transmittance properties of optical glass.

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

7. We would like to invite you to visit us at Photonics West in USA!

- **Exhibition:** Photonics West
- **Booth No.:** 803
- **Date:** January 24-26, 2006
- **Location:** San José / CA, USA

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