CORNING SAS - Ophthalmic
PO Box Nr 90094 - Bagneaux sur Loing - F 77992 Nemours cédex - FRANCE

Glass designation : **FUSIBLE PHOTOGRAY 16** Code **60056**

Color : **Clear to medium gray**
Glass type : **Photochromic crown glass.**
Application : **Ophtalmic lenses : Progressive addition. (heat forming)**

PHYSICAL PROPERTIES

Density :		**2.70**	**g/cm3**
Linear Exp. Coef. :		**60**	**10^{-7}/ °C**
Viscosity :	**Soft. Pt**	**685**	**°C**
	Ann. Pt	**530**	**°C**
	Strain Pt	**495**	**°C**

REFRACTIVE INDEX

Line		λ (nm)	Value
F'	**Cadmium**	**480.0**	**1.61123**
F	**Hydrogen**	**486.1**	**1.60151**
e	**Mercury**	**546.1**	**1.60387**
d	**Helium**	**587.6**	**1.60050**
C'	**Cadmium**	**643.8**	**1.59694**
C	**Hydrogen**	**656.3**	**1.59629**

Abbe Number	**νe**	**42.0**
	νd	**42.2**

TRANSMISSION PROPERTIES

As delivered, this glass is not photochromic. Photochromic properties are developed during the heat cycle used for fusing or forming.

Corning S.A.S. Optical customer engineering will provide full assistance to achieve consistent transmission properties, equivalent to those of 60055 glass code.

Order acceptance is submitted to technical agreement with Corning S.A.S. Optical customer engineering representative.

For more information on transmission or other material properties, refer to code 60055 product data sheet.

COATING & TEMPERING
(See also notes below)

Vacuum coating	**YES**
Chemical tempering	**YES**
Air tempering	**YES**

CHEMICAL DURABILITY (class)

To water	**NF ISO 719**	**HGB2**
To acid	**DIN 12-116**	**3**
To alkalis	**ISO 695**	**A1**

Compatible Bariums :
This glass has not been designed for fused multifocal production.
There is no bariums segment glasses,to be fused to that glass

Properties according to ISO 14889

ISO 14889 Chapter 4.3.1 ***Physiological compatibility***

The above glass products are not known to be physiologically incompatible, nor known to create a significant number of allergic reactions, when the lenses made out of these materials are used as intended by the manufacturer

ISO 14889 Chapter 4.3.2 ***Flammability***

The above glass products are not flammable, and when tested as described in chapter 5.1 of ISO 14889, there is no continued combustion after withdrawal of the test rod.