

Glass designation :

1.8 / 35 BLANC

Code

80235

Color :

White

Glass type :

High Index glass

Application :

Ophthalmic lenses : single vision, Progressive addition

PHYSICAL PROPERTIES

Density :	3.65	g/cm ³
Linear Exp. Coef. :	91	10 ⁻⁷ / °C
Viscosity :	Soft. Pt	732 °C
	Ann. Pt	617 °C
	Strain Pt	585 °C

REFRACTIVE INDEX

Line		λ (nm)	Value
F'	Cadmium	480.0	1.81978
F	Hydrogen	486.1	1.81838
e	Mercury	546.1	1.80749
d	Helium	587.6	1.80200
C'	Cadmium	643.8	1.79628
C	Hydrogen	656.3	1.79522
Abbe Number	ve		34.4
	vd		34.6

TRANSMISSION PROPERTIES (2 mm)

VISIBLE 380 - 780 nm

Luminous transmission factor	84.9%
Transmission category	
ISO 8980-3	0

ULTRAVIOLET

UV - B t(moy) 280 - 315 nm	< 0.1 %
Solar UV-B transmission factor	< 0.1 %

UV - A t(moy) 315 - 380 nm	38.5%
Solar UV-A transmission factor	28.5%

BLUE LIGHT 380 - 500 nm	
Blue light transmission factor	84%

TRAFFIC SIGNAL RECOGNITION

ISO 14889	Pass
ANSI Z80-3	Pass
AS 1067.1	Pass

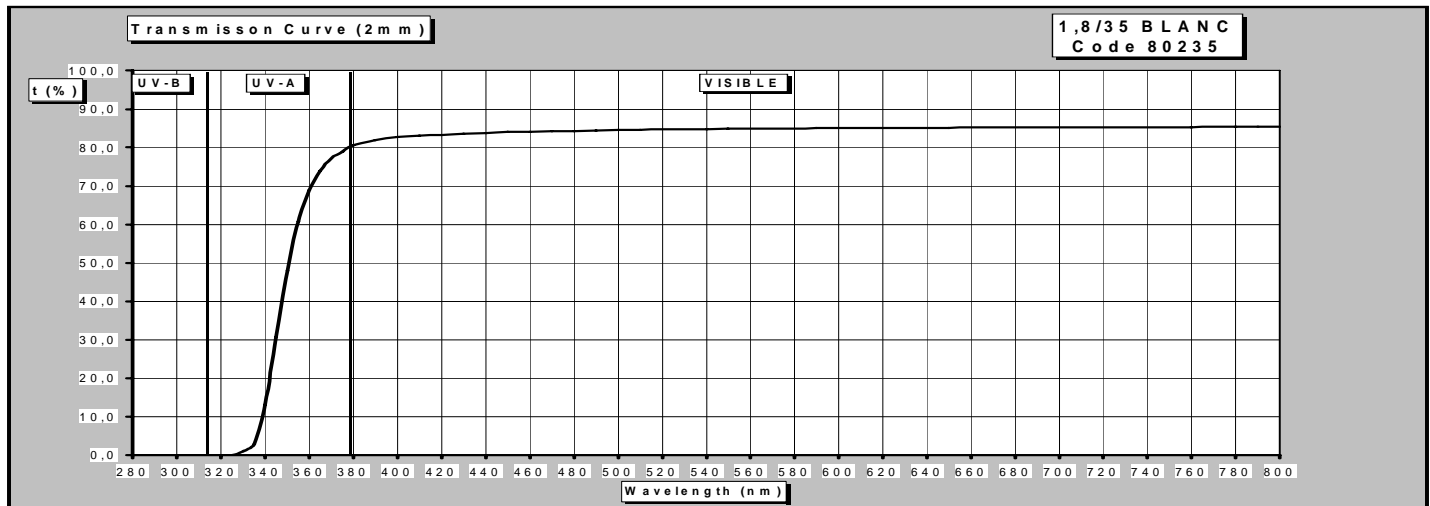
COATING & TEMPERING

(See also notes below)

Vacuum coating	YES
Chemical tempering	NO
Air tempering	YES

CHEMICAL DURABILITY (class)

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



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Chemtempering :

This glass as not been designed for chemical tempering

Air tempering :

A specific air tempering schedule must be used for this glass, at higher temperature than for standard crown glasses. More informations are available from Corning SAS Sales Department.

Compatible Bariums :

This glass can not be used to manufacture fused multifocal lenses.
There is no compatible bariums to be fused with this 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.