Glass designation: FUMO 15 Code 8219

Color : Gray Filter category : Dark

Application: 100 % UV absorbing glass suited for general or special purpose Tinted Glass.

Neutral gray with good color rendition. Enhanced IR absorption. Absorbs over 90% of the solar IR radiation. Pass cited standards for traffic signal recognition

at 2 mm thickness.

°C

PHYSICAL PROPERTIES

Density : Linear Exp. Coef. :		2.53 96	g/cm3 10 ⁻⁷ / °C
_	Ann Pt	520	°C

Strain Pt

REFRACTIVE INDEX

Line		λ (nm)	Value
F'	Cadmium	480.0	
F	Hydrogen	486.1	
е	Mercury	546.1	
d	Helium	587.6	1.52500
C'	Cadmium	643.8	
С	Hydrogen	656.3	

Abbe Number ve

νd

480

CAUTION:

Lens thicknesses greater than 2,5 mm transmit less than the 8% visible transmission required for driving.

TRANSMISSION PROPERTIES (2 mm)			
VISIBLE	380 - 780 nm		
Luminous transmission factor Transmission category	14.6%		
ISO 8980-3	3		
ULTRAVIOLET			
UV - B tλ(max) 280 - 315 nm	< 0.1 %		
t(avg) 280 - 315 nm	< 0.1 %		
Solar UV-B transmission factor	< 0.1 %		
UV - A tλ(max) 315 - 350 nm	< 0.1 %		
t(moy) 315 - 380 nm	< 0.1 %		
Solar UV-A transmission factor	< 0.1 %		
BLUE LIGHT 380 - 500 nm			
Blue light transmission factor	11%		
INFRARED	780 - 2000 nm		
Solar IR Transmission factor	7 %		
TRAFFIC SIGNAL RECOGNITION ISO 14889 Pass			

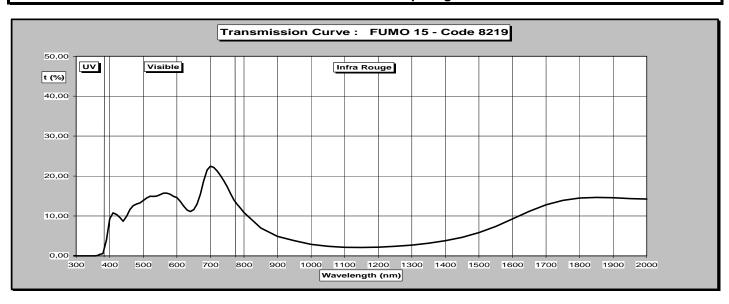
COATING & TEMPERING

(See also notes below)

Vacuum coating YES
Chemical tempering YES
Air tempering YES

ANSI Z80-3

AS 1067.1



Pass

Pass

CORNING SAS - Specialty Glass Rue St Laurent - CS 10243 Bagneaux sur Loing - 77797 NEMOURS CEDEX - FRANCE

Glass designation : FUMO 15 Code 8219

Color : Gray Glass type : Dark

Application: 100 % UV absorbing glass suited for general or special purpose Tinted Glass.

Neutral gray with good color rendition. Enhanced IR absorption. Absorbs over 90% of the solar IR radiation. Pass cited standards for traffic signal recognition

at 2 mm thickness.

Chemtempering: Recommended bath and cycle:

Bath: Potassium Nitrate 99.5 % (Sodium nitrate 0,5% max) Time: 16 Hr

Silicic Acid 0.5% θ °C : 450 °C

Air tempering:

Air tempering using conventional processes for standard crown glasses. Minimum lens thickness for normal air tempered lenses is 2 mm.

Coatings:

Vacuum coatings for coloring, antireflexion or mirror are possible.

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.