



Glass designation :

PX4

Code

80192

Color :

White

Glass type :

Hard Crown

Application :

PHYSICAL PROPERTIES

Density : 2,539 g/cm³
 Linear Exp. Coef. : 87 10⁻⁷ / °C
 Viscosity : Soft. Pt 714 °C
 Ann. Pt °C
 Strain Pt

TRANSMISSION PROPERTIES (25mm)

Internal transmittance at 420nm >= 95%

MECHANICAL PROPERTIES

Young's modulus 74.3 Gpa
 Torsion modulus 30.3 Gpa
 Poisson coefficient 0.23 μ

REFRACTIVE INDEX

Line		λ (nm)	Value
F'	Cadmium	480.0	1.53182
F	Hydrogen	486.1	1.53130
e	Mercury	546.1	1.52716
d	Helium	587.6	1.52500
C'	Cadmium	643.8	1.52265
C	Hydrogen	656.3	1.52229
Abbe Number		ve	57.49
		vd	58.27

CHEMICAL DURABILITY (class)

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

TEMPERING :

The PX4 is designed for chemtempering.

Air tempering shall be used for mechanical resistance enhancement.

Modules of Rupture 105

Mpa

15239 psi

