

Glass designation :

BARIUMS FOR PHOTOCROMIC CROWNS

Color : **White**
 Glass type : **Barium glasses**
 Application : **Near vision segments for fused multifocal lenses**

To produce fused multifocal lenses, Corning S.A.S. provides segments of specific barium glasses with adjusted properties for refractive index and seal stress.

The list of the barium glasses compatible with Corning **standard photochromic crowns** is shown below :

Carrier glass	Code	Compatible bariums			
		Designation	Ba PC 588 blanc/white	Ba PC 617 blanc/white	Ba PC 653 blanc/white
FUS PHOTOGRAY EXTRA	8112	GLASS CODE	8082	8083	8087
		Refractive index (Nd)	1.588	1.617	1.653
		Lin. Exp. Coef. $\alpha (x10^{-7})$	62	62	62.5
		Density	3.21	3.48	3.79
FUS PHOTOBROWN EXTRA	8223	Soft. Pt (°C)	635	632	630
		Ann. Pt (°C)	483	481	485
		Str. Pt (°C)	449	446	450
		Tint	No	No	No
		Visible transm. (%)	89.8	89	88

Compatible bariums		
Designation	Ba PC 701 Blanc / White	Ba PC 750 Blanc / White
GLASS CODE	8088	8218
Refractive index (Nd)	1.701	1.75
Lin. Exp. Coef. $\alpha (x10^{-7})$	65	67.4
Density	4.08	4.45
Soft. Pt (°C)	632	615
Ann. Pt (°C)	500	505
Str. Pt (°C)	465	475
Tint	NO	NO
Visible transmission (%)	86.7	85