OPTICAL GLASS & LENS PRESSINGS

Since 1941, HOYA has been a premier provider of optical glasses. Over the years, this traditional material business has transformed into a key element in the development of advanced electronics and information technologies.

HOYA has invested heavily in technical innovation to satisfy advanced requirements as well as to increase our commitment to environment preservation. Such commitments include the removal of lead, arsenic and other non-environmentally friendly chemicals. Our goal is to leverage our technology to fulfill our customers' needs, while contributing to the environment and society.

Group Name	HOYA		Group Name	HOYA
Fluor Crown	FC		Flint	F
Dense Fluor Crown	FCD		Dense Barium Flint	BAFD
Dense Phosphate Crown	PCD		Dense Flint	FD
Boro Silicate Crown	BSC		Special Dense Flint	FDS
Crown	C		Fluor Flint	FF
Barium Crown	BAC		Light Lanthanum Flint	LAFL
Dense Barium Crown	BACD		Lanthanum Flint	LAF
Extra Dense Barium Crown	BACED		Niobium Flint	NBF
Light Lanthanum Crown	LACL		Tantalum Flint	TAF
Lanthanum Crown	LAC		Dense Niobium Flint	NBFD
Tantalum Crown	TAC		Dense Tantalum Flint	TAFD
Crown Flint	CF		Abnormal Dispersion Crown	ADC
Extra Light Flint	FEL		Abnormal Dispersion Flint	ADF
Barium Flint	BAF		Low Birefringence Crown	LBC
Light Flint	FL		-	-

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Optics Division
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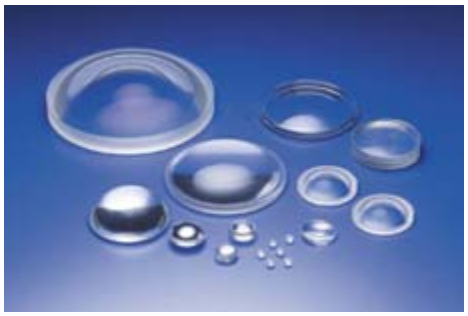

Glass Molded Lenses

Glass-molded lenses are manufactured using high-precision machines and preforms developed in-house. The lenses require no grinding or polishing.

Preforms

There are two types of preforms for precision molding:

Precision gob

Polishing surface

Glass Polished Lenses

Polished glass lenses are manufactured using polishing process of pressed blanks. Post processing abilities include:

Centering, Coating, Painting (sumi) and Cementing (balsam)

Glass Lenses Pressed Blanks

There are three types: direct pressed blanks (DP), re-heat pressed blanks (RP) and rolled and sliced blanks (RS) for polished glass lens material.

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