POLARIZED LENS



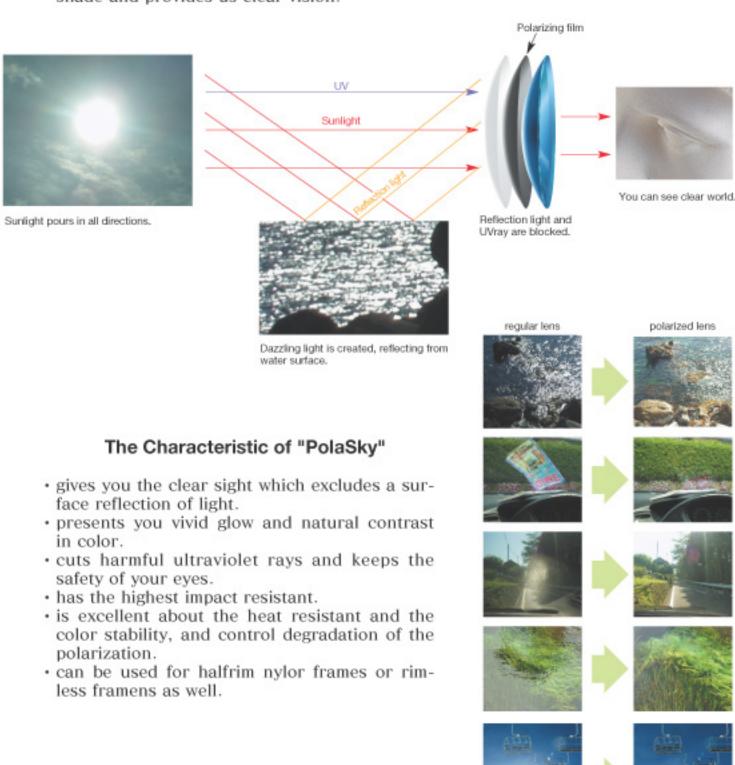
PolaSky WORLD OF POLARIZATION

You can clearly see the world.

There are a lot of dazzling light not only directly from sun, but also from scattering reflection or refrection. Those lights always disturb our view.

Polarized lens regulates the dazzling light.

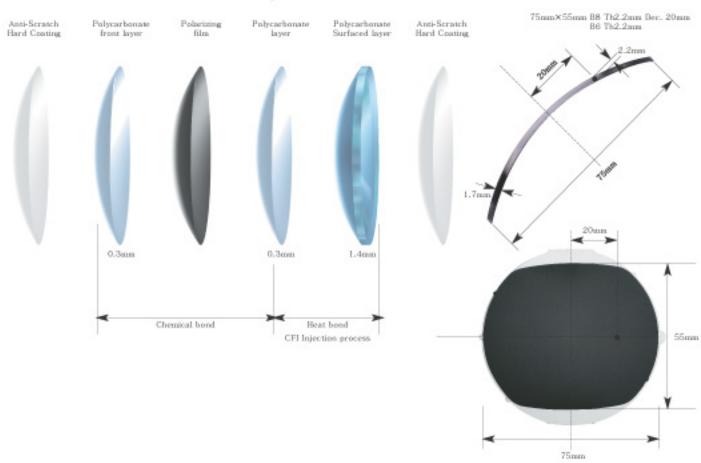
The Key is a polarized film laminated between 2 lenses, which acts like a windowshade and provides us clear vision.



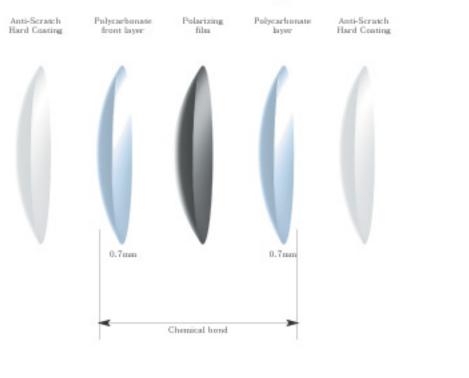
WHAT IS PolaSky LENS?

Polarized Lens

Construction of injection lens



Construction of bending Lens





di Bending size

Polycarbonate Polarized Injection Lens by the CFI Process

It is a process of inserting pc polarized lens sheet and polycarbonate resin into a mould by the heat solvent injection. In the injection process, it is simultaneously added advanved function on the surface.

The polarizing films are covered and guarded by the pc lens sheets and the function of polarization is kept unchanged even if the lens is inserted into a frame. For the details of the CFI process, see http://www.mep.co.jp/index.him (the technology and service processing technology CFI introduction.)

Material					P	olycarbo	nate (PC	2)				
Curve						6R -	8R					
	(TWO PIECE)											
Size					7	76¢ Rou	und type					
		The th	nickness:<	6F>2.2	?mm /	<8R>d	ecentere	d 2.2mm~1	.7mm (±0).1mm)		
Feature	2) Excellent in) By CFI spec) It is a epocl	cial proce	ss, pc r	esin ar	d pc po	larized s	heet are inj	ected			
		Color	NO.	Visible %	Catagory	polarization 14		Color	NO.	Visible %	Catagory	polarizatio 16
Color	Dark Gray		GS	11.0	3	99	Copper		DA Driver	17.0	3	99
	Brown		BBW	20.0	2	99	Gray Green		BGR	19.8	2	99
Process	2 3 4 5 6 7) The lens sh) Cutting) Bending) The CFI inje) Hard coatin) Inspection) Color matci) Shipment	ection pro g		ection (cover (H	eat Resi	stant)				
Use for					_		uitable k	ች ‱ enses.				
Remark	38	%Polarization is over 90% %Ultraviolet ray transmittance is less than 0.1% %Our lenses are all produced with Japanese lens material in Japan.										

★Besides above, please refer to our Inspection Certificate, which will be provided in your need.

PolaSky B PC POLARIZED BENT LENS

Highly efficient polycarbonate polarized bending lens.

It is a epock-making super highly efficient polarized lens sheet which is used as polycarbonate protective layer.

It has the high durableness and polarizability with rich color variation, easy processing and the strongest impact resistant.

Under the severe condition, it doesn't make defective appearance such as the lamination-off, the tear of polarizing device, and is very excellent about the dimensional stability.

Please refer to our data below which we experimented.

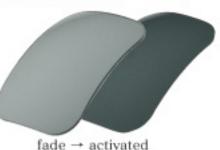
The variability of the polarization is less than 1%. Also the color interference fringe is controlled by our special manufacturing method.

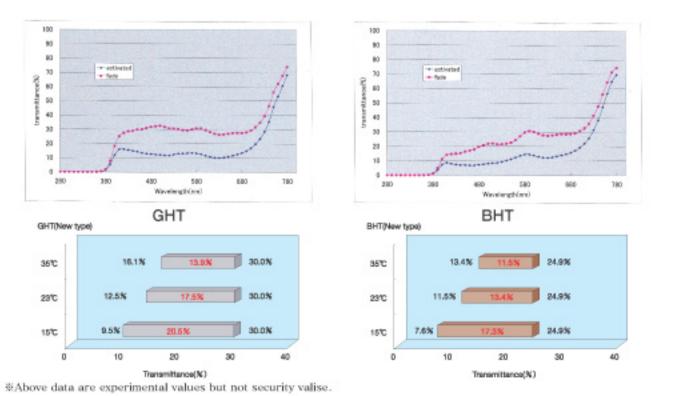
(2)	PelaSky B		PC	POL	ARIZE	BENT	LENS					
Material				Po	olycarbo	nate (P	C)					
Curve		4R - 6R				(4R) · 6R · 8R						
	(ONE PIECE) (TWO PIECE)											
Size	Any size available											
		The thickness:1.5mm										
Feature	2) Rem	Excellent impact resistant, which is incomparable in other plastic lenses Remove over 99% of Ultraviolet Rays Many color variation										
	Color	NO.	Visible %	Category	polarization %		Color	NO.	Visible %	Category	polarizati %	
	Light Gray	Q-35	35	2	90	Brown		BM	18	3	99	
	Gray	90	22	2	99	Dark Brown		BS	12	3	99	
	Gray	NGY	18	3	99	Green		G-15	16	3	99	
Color	Dark Gray	gs gs	11	3	99	Yellow Green		MG	17	3	99	
	Dark Gray	GSR 1121	11	3	99	Dark Brown		STB	12	3	99	
	Dark Gray	GRM	14	3	99	Brown		B-6221	22	2	99	
	Copper	DR Driver	18	2	98	Yellow		Y-8341	32	2	92	
Process	The lens sheet with protection cover (Heat Resistant) Cutting in various sizes 3) Bending Inspection 5) Color matching 6) Shipment											
Use for			P	Ž €	Y d	_	⊁ ໝ ole lenses.					
Remark	₩ Ultra	ization is over 9 violet ray transm enses are all pro	nittance i				terial in Japan.					

PolaSky BPP PC POLARIZED PHOTOCHROMIC BENT LENS

PolaSky BPP is the polycarbonate polarized photochromic lens, its color tone is well adjusted by the strength of sunlight(UV). PolaSky BPP have 3 merits, high impact resistance, photochromic function, and polarized function. 2 color variations are available, GHT(Gray) and BHT(Brown). GHT color cuts wide range of wavelength, and provide neutral color visibility in various fields.

BHT color provides high contrast and visibility in various climate conditions, also less stimulative for long time wearing.





(2)	PelaSky	RPP	PUI	OLAHI	ZEDF	HOTO	JHHON	IIC BENT	LENS			
Material					Po	lycarbo	nate (PC)				
Curve			4R - 6R					(4R) - 6R	8R		
		(C	ONE PIEC	E)				(TWO PIE	CE)			
Size	Any size available											
		The thickness:1.5mm										
Feature	 Excellent impact resistant, which is incomparable in other plastic lenses Remove over 99% of Ultraviolet Rays 											
		fade							activate	rd .		
		Color	NO.	Visible %	Category	polarization 96		Color	NO.	Visible %	Category	polarizatio %
Color	Light Gray		GHT	30	2	-	Dark Gray			12	3	96
	Light Brown		внт	25	2	-	Dark Brown			11	3	97
Process	2)	The lens sh Cutting in v Inspection	arious siz	tes 3) Be	ending		Resistan	it)				
Use for						Y &		⊁ 蛱 enses.				
Remark	*	Polarization Ultraviolet ra Our lenses a	ay transm	ittance i				erial in Japa	an.			

PolaSky T TRI-ACETATE POLARIZED LENS

It is thinner and lighter in weight, and the bending process is easy. It is a multipurpose inexpensive lens and used in various sunglasses such as a clip-on frame and an over glass or for one-piece and two-piece.

Material	PelaSky						Tri-ac	etate						
Thickness								1.0mm	T.					
Curve		4R · 6R 4R · 6R · 8R												
Odive				NE PIECE) (TWO PIECE)										
Size			(ONE)	PIEGE,		100		available	9	(100	O PIEC	,L)		
Feature	2)	Thinne lighter Easy c	weight	rice			ny sizes	availabi						
	Co	lor	NO.	Visible %	Category	Thickness mm	potarization %	Co	lor	NO.	Visible %	Category	Thickness rm	pdarization
	Light Gray		NC-82	44	1	0.8	95	Brown		NG-4	22	2	0.8	99
	Gray		NC-28	17	3	0.8	99	Dark Brown		NGA-4	12	3	0.8	99
Color	Light Green		NG-1	27	2	0.8	99	Amber		NGY-4	22	2	0.8	99
	Green Gray		NGS-3	15	3	0.8	99	Yellow		NCY-D4	32	2	0.8	96
	Dark Green Gray		NGS-1	7	4	0.8	99							
Process	2) 3) 4) 5)	Cutting Bendin Inspec	g in vark ig tion matchin	ous siz		ection o	cover (H	eat Resi	stant)					
Remark	38	Ultravio		transm	ittance		than 0.1	% lens mat	erial in J	apan.				

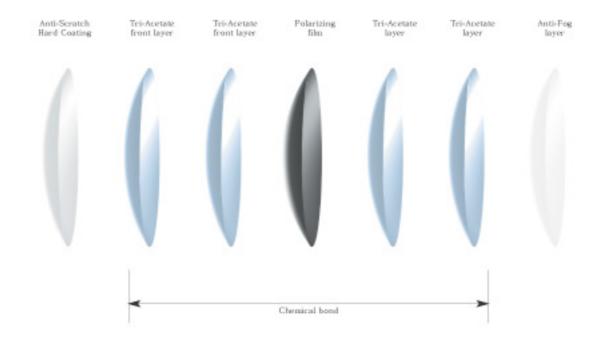
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PolaSky TAF TRI-ACETATE ANTI-FOG POLARIZED LENS

TAC AF is the functional lenses attaching anti-fog 'hydrophobic layer' on the back side of high quality TAC Polarized lens. Thanks to this additional layer technology, anti-fog function lasts semi-permanently under clean condition, compare with other ordinary 'anti-fog coating processed' lenses.

(3)	PelaSky	y TAF		TF	RI-ACE	TATE	ANTI FO	G POL	ARIZE	LENS	3			
Material							Tri-ac	etate						
Thickness		0.8mm												
Curve			4R	- 6R						4R ·	6R - 8	R		
-		(ONE PIECE)								(TW	O PIEC	E)		
Size	any sizes available													
Feature	2) 3) 4)	Hand C Thinner lighter Easy cu Reason	weight utting		Fog		97							
	Color		NO.	Visible %	Category	Thickness nm	polarization %	Color		NO.	Visible %	Category	Thickness min	polarization %
Color	Light Gray		TAF-G46	46	1	0.8	95	Green Gray		TAF-GG17	17	3	0.8	99
	Gray		TAF-G20	20	2	0.8	99	Dark Brown		TAF-814	14	3	0.8	99
Process	2) 3) 4) 5)	The len Cutting Bendin Inspect Color n Shipme	in vario g ion natching	ous siz		ection o	cover (H	eat Resis	stant)					
Remark	% %	# Front side : Hard coat												

★Besides above, please refer to our Inspection Certificate, which will be provided in your need.



FEATURES OF PC POLARIZED LENS

1. Polarization Effect : block dazzling lights from water, snow or road

2. PC Material : protect your eyes by the best impact-resistant lens material

3. UV Light Cut : shut harmful ultraviolet ray out (280~380nm)

4. High Adhesion : avoid lamination off

5. Less Discoloration : keep clear

NATURE OF PC MATERIAL

IMPACT RESISTANCE

	FDA STANDARD	CR-39	ACRYLIC	OPHTHALMIC LENS	POLYCARBONATE
DESTRUCTIVE ENERGY	0.2	0.37	0.15	0.2	10.2

unit: Jou (investigated by own data)



HEAT RESISTANCE

75℃ hot water test	50 hours	No above is subsectioned
Boiling test	30 minutes	
Heating & Cooling cycle test	-20°C to 80°C ten cycles	No change in external appearance
STRUCTURAL HEAT RESISTANCE	100℃ 100 hours	

- * The measurements above are for a test material (3mm) using an MROX skin film and S3000 core material
- * The measured values are not guaranteed.

CHEMICAL RESISTANCE

ı	Aceton	After eaching filter paper in the				
	Methanol	After soaking filter paper in the chemical, the filter paper and test				
	Methylene Chloride	material are placed in contact for	No change in external appearance			
ı	30% Sulphuric Acid	one minute. Then external changes				
	37.5% Caustic Soda	are visually verified.				