

Tritan (TR18 Lens)

Tritan(TR-18) is a new generation copolyester (without bisphenol-A) to replace PC which was developed by Eastman. After Tritan being used as lens raw material, it shows its high index of refraction and **highly impact resistance**, this character is very closed to Nylon. Based on much cheaper price than Nylon, We believed that Tritan(TR-18) will be widely used in optical industry.

TR18 Copolyester (Eastman Tritan™) Sun lenses

- Haze lens 2%
- Transmittance 91%
- Refractive index 1,5651
- Abbe number 31
- Price 45-50 % cheaper than nylon lens
- Price 5-10 % cheaper than CR39 lens
- Can be mounted on all kinds of frame including acetate frames.
- BPA free

FUNCTIONS	MATERIAL	PC	TR18 TRITAN™	CR39	NYLON TR90
	WEIGHT	1,2	1,19	1,32	1,15
	REFRACTIVE INDEX	1,585	1,56	1,56	1,516
	ABBE NUMBER	31	31	58,5	45
	IMPACT RESISTANCE INDEX	GOOD	GOOD	FRAGILE	GOOD
	MOUNTED ON ACETATE	NO	YES	YES	YES
	TOUGHNESS	HIGH	HIGH	FRAGILE	HIGH
	STRESS	HIGH	MID	NO	SMALL
	DRILL	NO	YES	NO	YES
	PRICE	LOW	MID LOW	MID UP	HIGH
	BPA	YES	NO	NO	NO
	TINCT	YES	YES	YES	YES

TR18 Tritan™ is a new generation copolyester (without bisphenol-A) to replace PC, CR39 and Nylon TR90.

After TR18 Tritan™ being used as lens raw material, it shows its high index of refraction and highly impact resistance, this character is very closed to Nylon TR90.

Normally drilling and reverse groove is forbidden because of cracking, Crystal-Star has solved this problem.

Base on cheaper price, TR18 Tritan™ will be widely used in optical industry.

TR18 Copolyester (Eastman Tritan™)
Sun lenses

- Can be cut and drill with holes as nylon lens
- Haze lens 2%
- Transmittance 91%
- Refractive index 1,5651
- Abbe number 31
- Price 45 % cheaper than nylon lens
- Price 5-10 % cheaper than CR39 lens
- Can be mounted on acetate frame
- BPA free

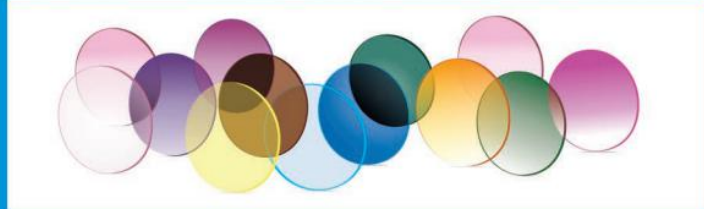


Tritan (TR18镜片)

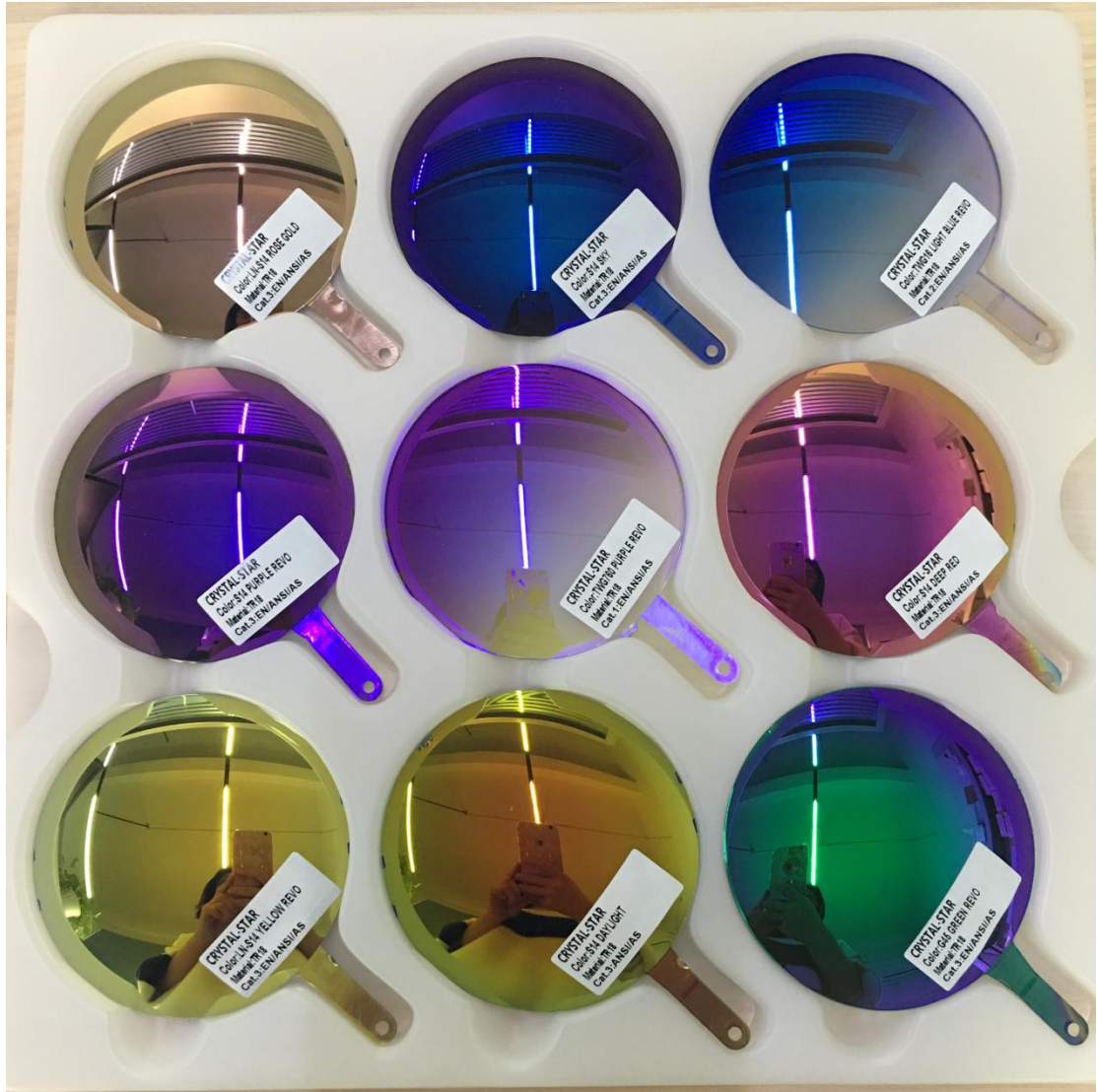
因为专注 所以专业

Eastman 公司开发的新一代共聚酯，原本为替代PC的材料（不含双酚-A），被应用于眼镜镜片领域后，发现特性基本与尼龙镜片相近。高透光率，优异的抗冲击强度，相比尼龙价格成本更有优势。对于行业内打孔开裂的问题，我们公司已经有好的改善方法来克服打孔方面的难题，未来一定会成为眼镜镜片行业中的主导产品之一。

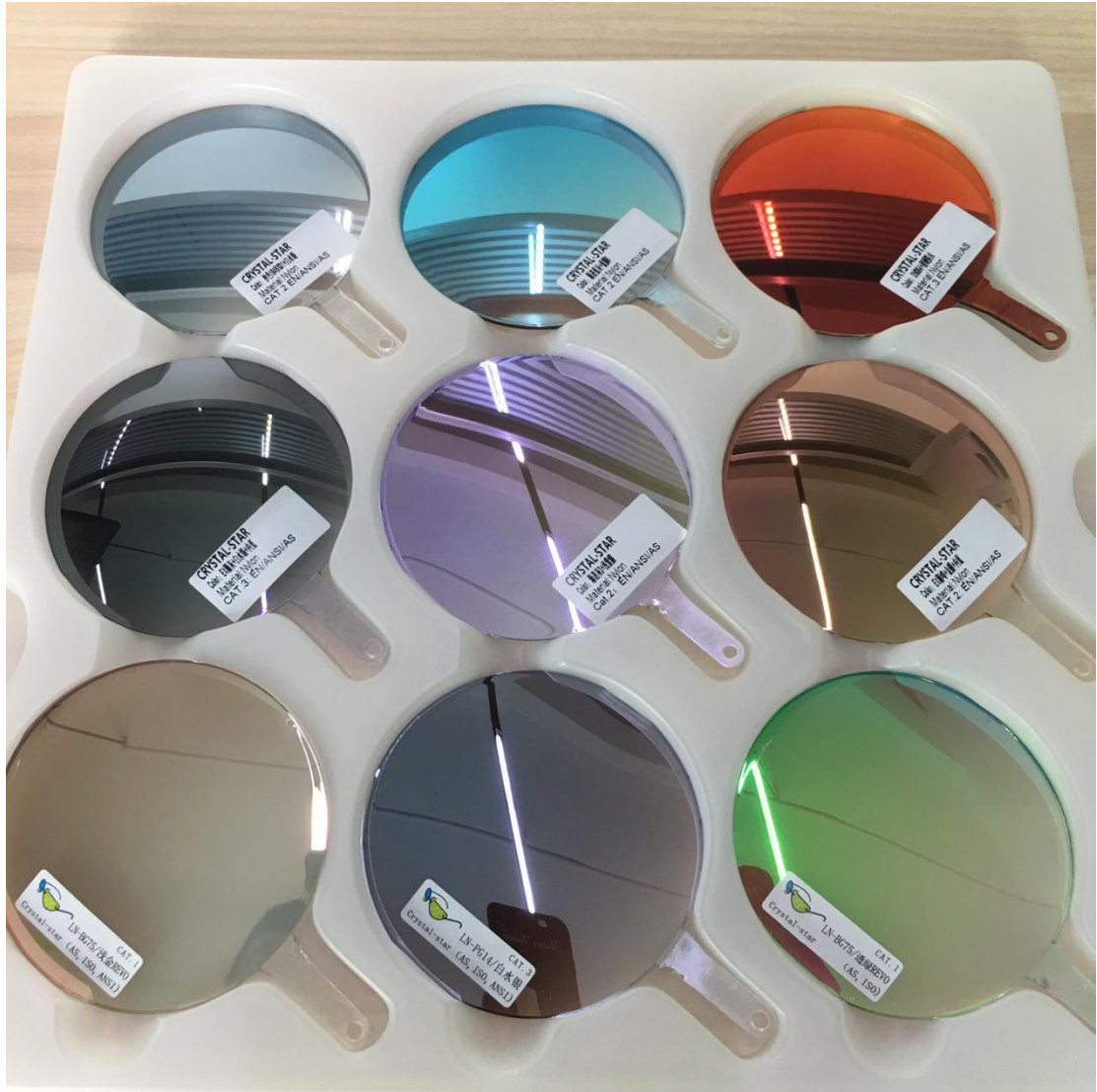
Tritan is a new generation copolyester (without bisphenol-A) to replace PC which was developed by Eastman. After Tritan being used as lens raw material, it shows its high index of refraction and highly impact resistance. This character is very closed to Nylon. Normally drilling is forbidden because of cracking, our company has solved this problem. Base on cheaper price, Tritan will be widely used in optical industry.



镜片新选择 New Lens Selection







CRYSTAL STAR
UV 400
UV 380
UV 350
UV 300
UV 250
UV 200
UV 150
UV 100
UV 50
UV 0
CAT. 2 ENVIASIAS

CRYSTAL STAR
UV 400
UV 380
UV 350
UV 300
UV 250
UV 200
UV 150
UV 100
UV 50
UV 0
CAT. 2 ENVIASIAS

CRYSTAL STAR
UV 400
UV 380
UV 350
UV 300
UV 250
UV 200
UV 150
UV 100
UV 50
UV 0
CAT. 3 ENVIASIAS

CRYSTAL STAR
UV 400
UV 380
UV 350
UV 300
UV 250
UV 200
UV 150
UV 100
UV 50
UV 0
CAT. 3 ENVIASIAS

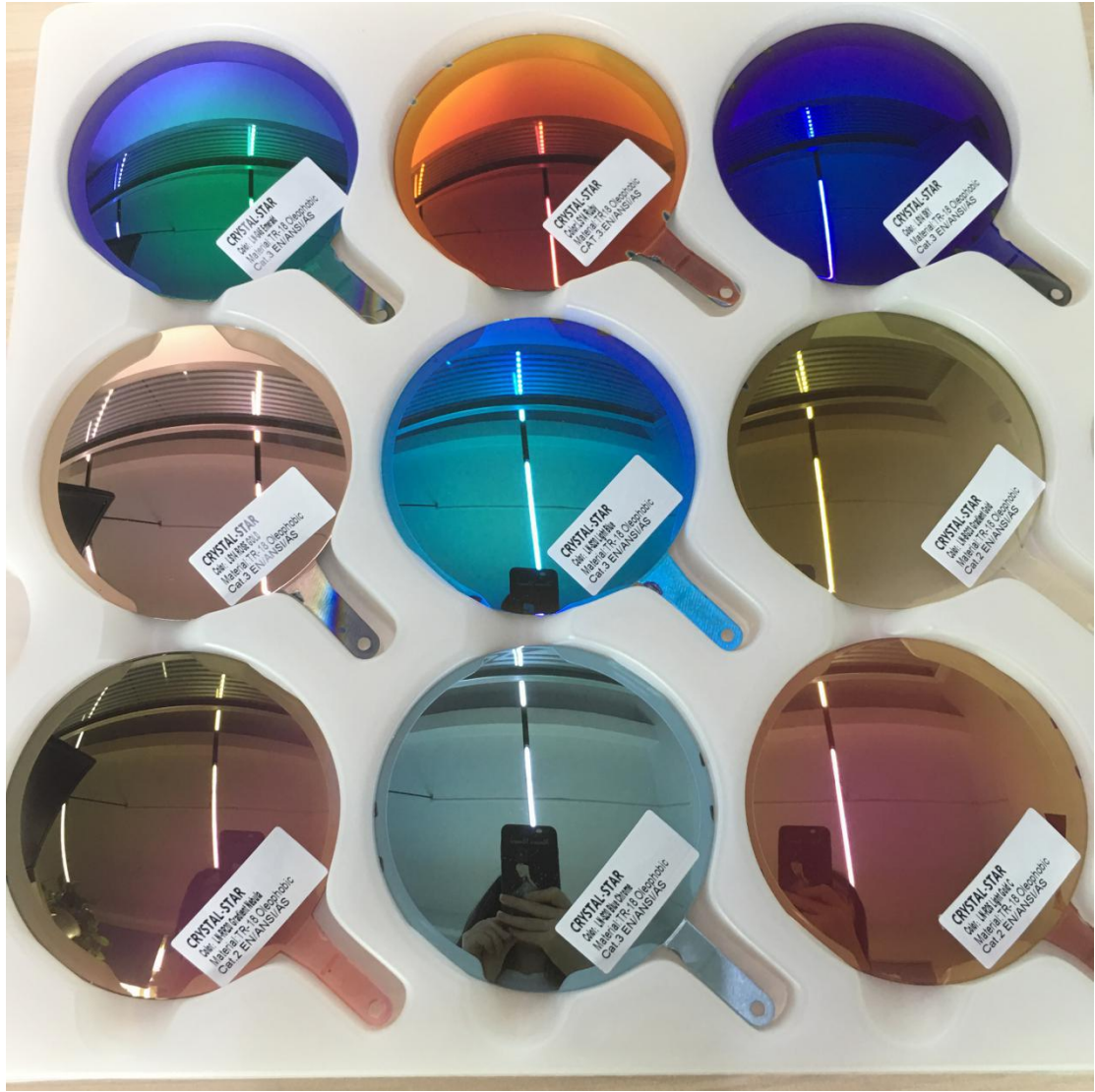
CRYSTAL STAR
UV 400
UV 380
UV 350
UV 300
UV 250
UV 200
UV 150
UV 100
UV 50
UV 0
CAT. 2 ENVIASIAS

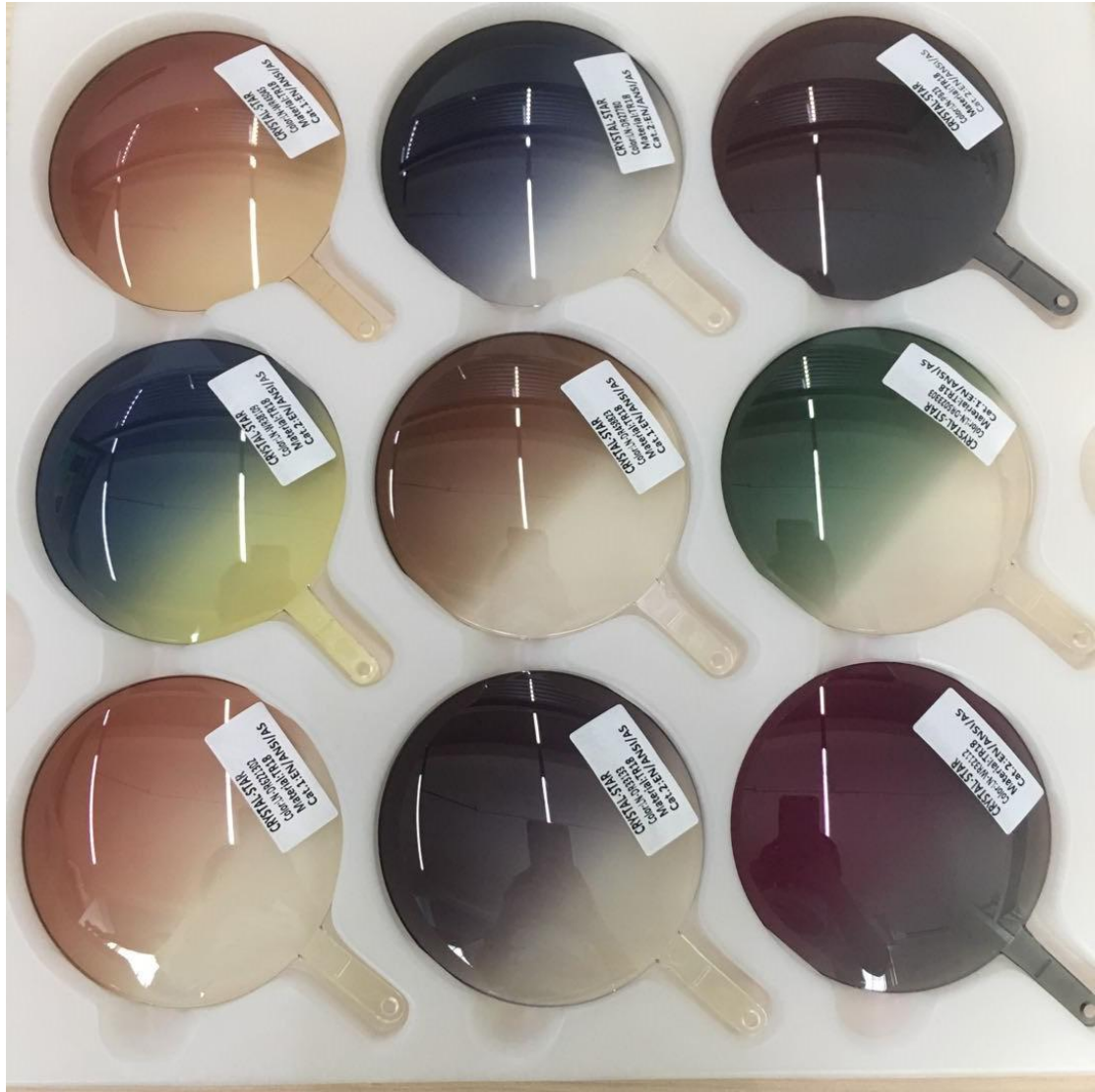
CRYSTAL STAR
UV 400
UV 380
UV 350
UV 300
UV 250
UV 200
UV 150
UV 100
UV 50
UV 0
CAT. 2 ENVIASIAS

CRYSTAL STAR
UV 400
UV 380
UV 350
UV 300
UV 250
UV 200
UV 150
UV 100
UV 50
UV 0
CAT. 1
UV 400/UV 380/UV 350
(AS, ISO, ANSI)

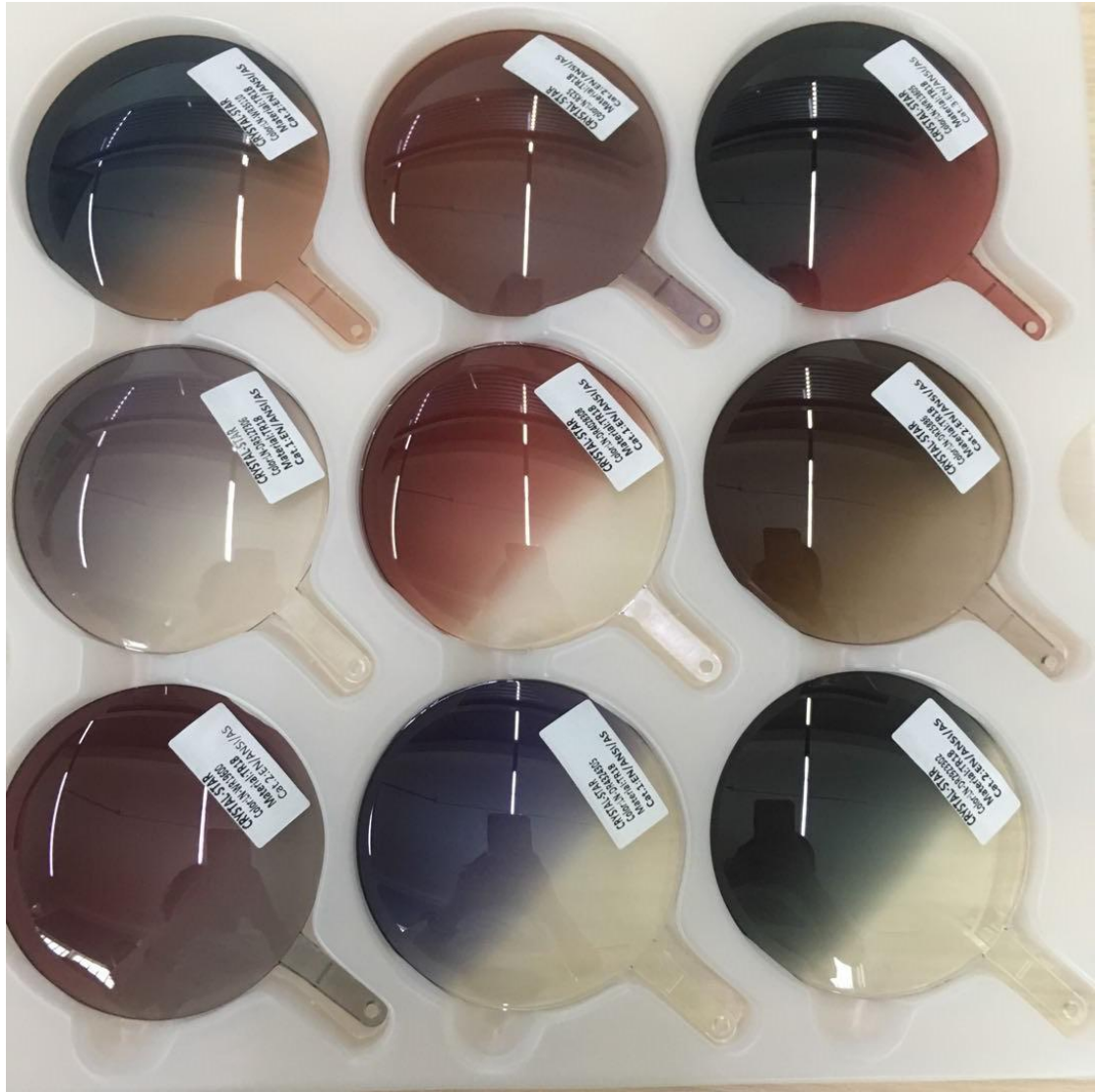
CRYSTAL STAR
UV 400
UV 380
UV 350
UV 300
UV 250
UV 200
UV 150
UV 100
UV 50
UV 0
CAT. 3
UV 400/UV 380
(AS, ISO, ANSI)

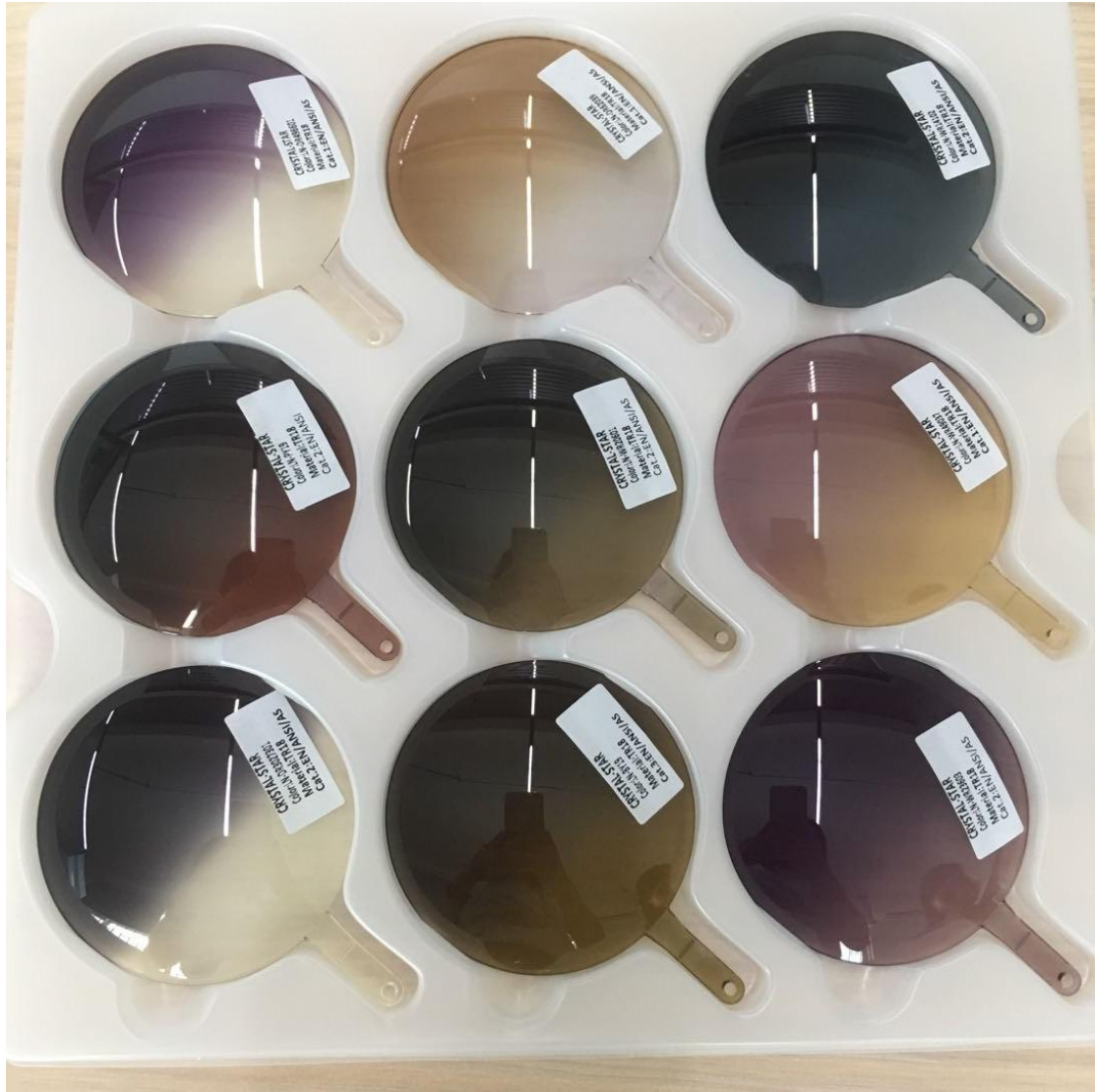
CRYSTAL STAR
UV 400
UV 380
UV 350
UV 300
UV 250
UV 200
UV 150
UV 100
UV 50
UV 0
CAT. 1
UV 400/UV 380/UV 350
(AS, ISO)







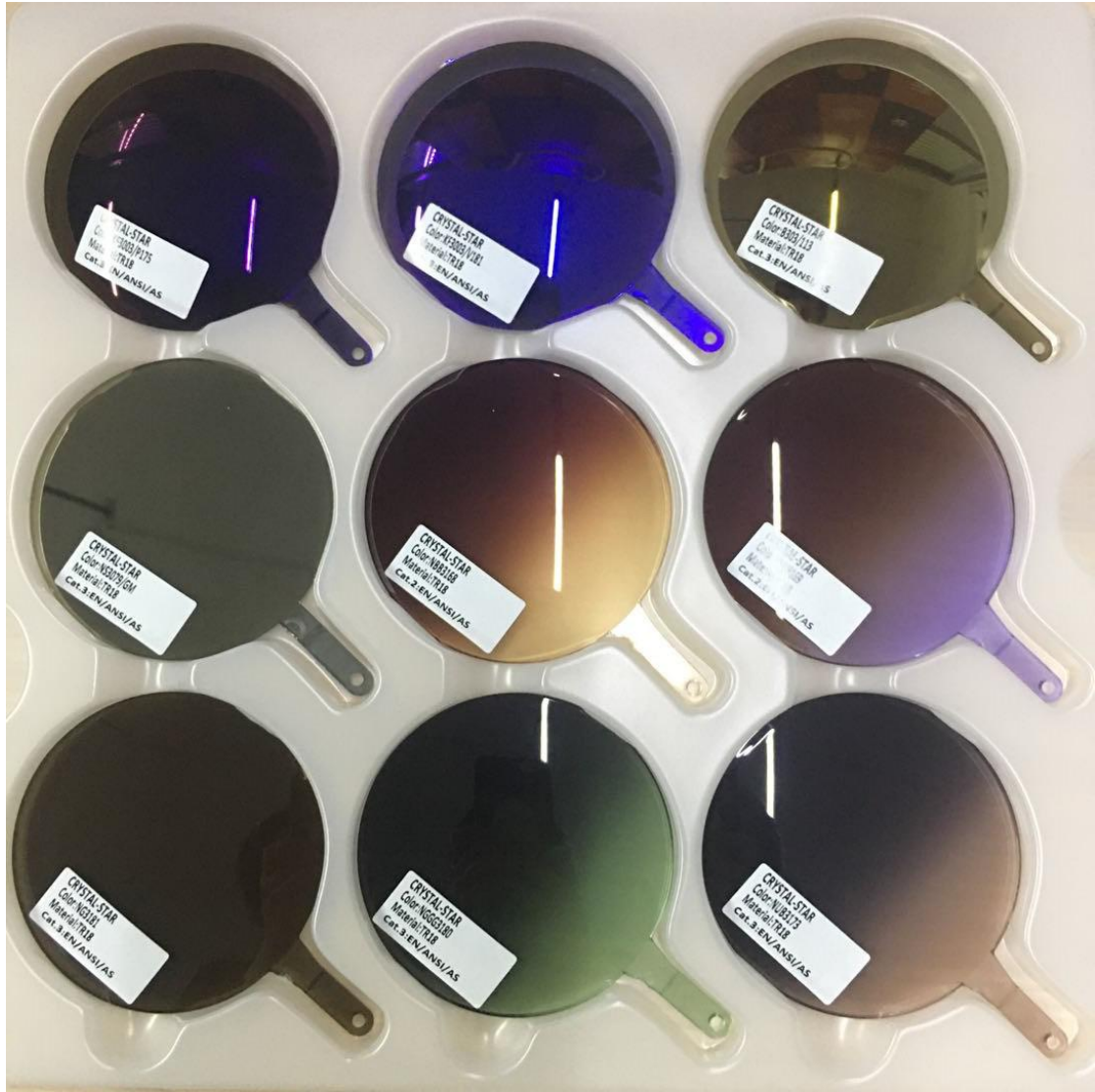














CRYSTAL STAR
Color: 100% LIGHT GOLD
Material: CR-39
CAT. 2 EN-AS

CRYSTAL STAR
Color: 100% BLUE WHITE
Material: CR-39
CAT. 2 EN-AS

CRYSTAL STAR
Color: 100% LIGHT BROWN
Material: CR-39
CAT. 2 EN-AS

CRYSTAL STAR
Color: 100% LIGHT BROWN
Material: CR-39
CAT. 2 EN-AS

CRYSTAL STAR
Color: 100% BLACK
Material: CR-39
CAT. 2 EN-AS

CRYSTAL STAR
Color: 100% PINK
Material: CR-39
CAT. 2 EN-AS

CRYSTAL STAR
Color: 100% LIGHT BROWN
Material: CR-39
CAT. 2 EN-AS

CRYSTAL STAR
Color: 100% PURPLE
Material: CR-39
CAT. 2 EN-AS

CRYSTAL STAR
Color: 100% TEAL
Material: CR-39
CAT. 2 EN-AS









CRYSTAL STAR
Color: Teal
Material: ENVIASIS
Cat: ENVIASIS

CRYSTAL STAR
Color: Yellow
Material: Marmelade
Cat: ENVIASIS

CRYSTAL STAR
Color: Grey
Material: Marmelade
Cat: ENVIASIS

CRYSTAL STAR
Color: Light Green
Material: ENVIASIS
Cat: ENVIASIS

CRYSTAL STAR
Color: Purple
Material: TR
Cat: ENVIASIS

CRYSTAL STAR
Color: Orange
Material: TR
Cat: ENVIASIS

CRYSTAL STAR
Color: Dark Green
Material: ENVIASIS
Cat: ENVIASIS

CRYSTAL STAR
Color: Gold
Material: TR
Cat: ENVIASIS

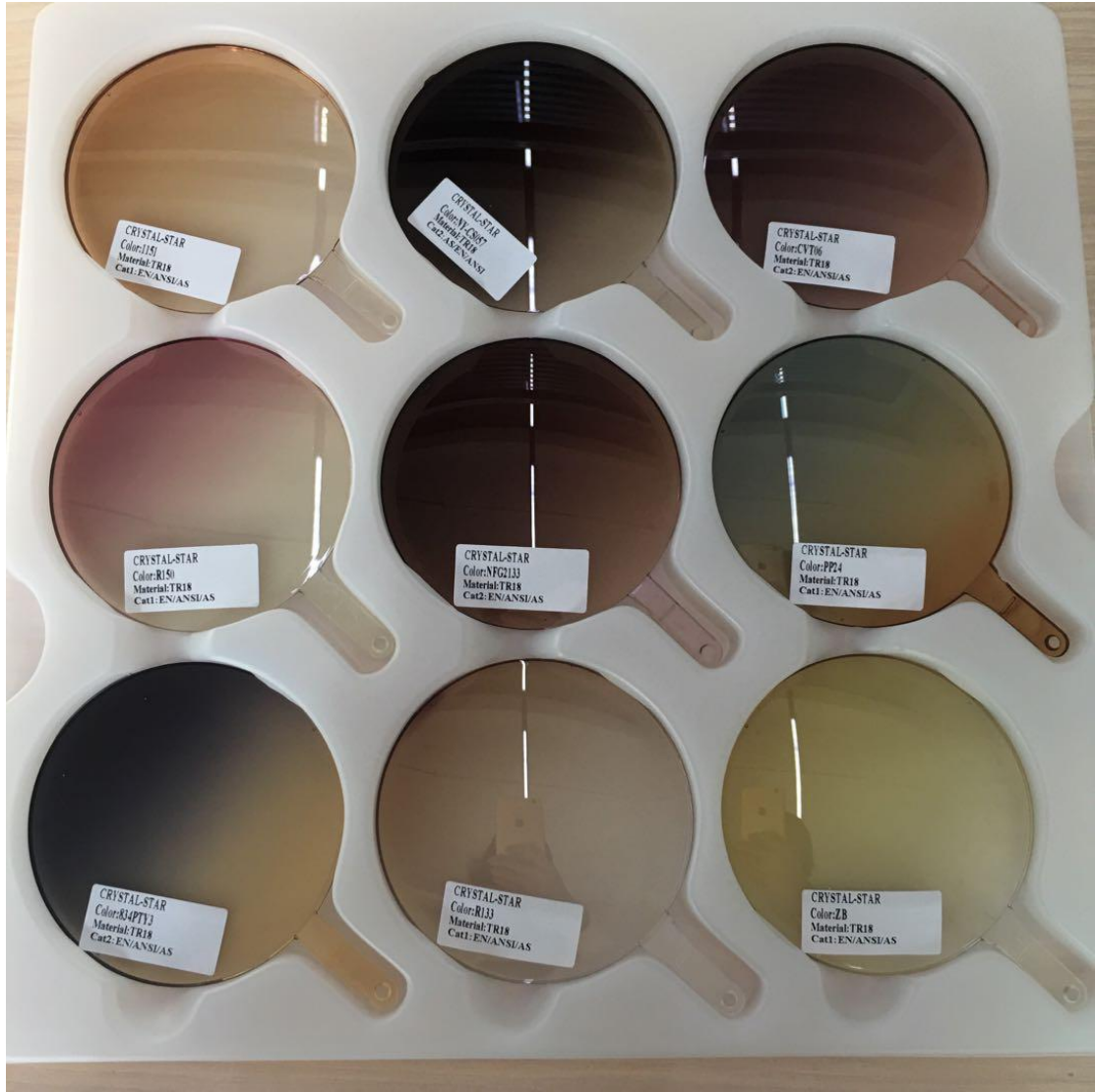
CRYSTAL STAR
Color: Light Orange
Material: TR
Cat: ENVIASIS

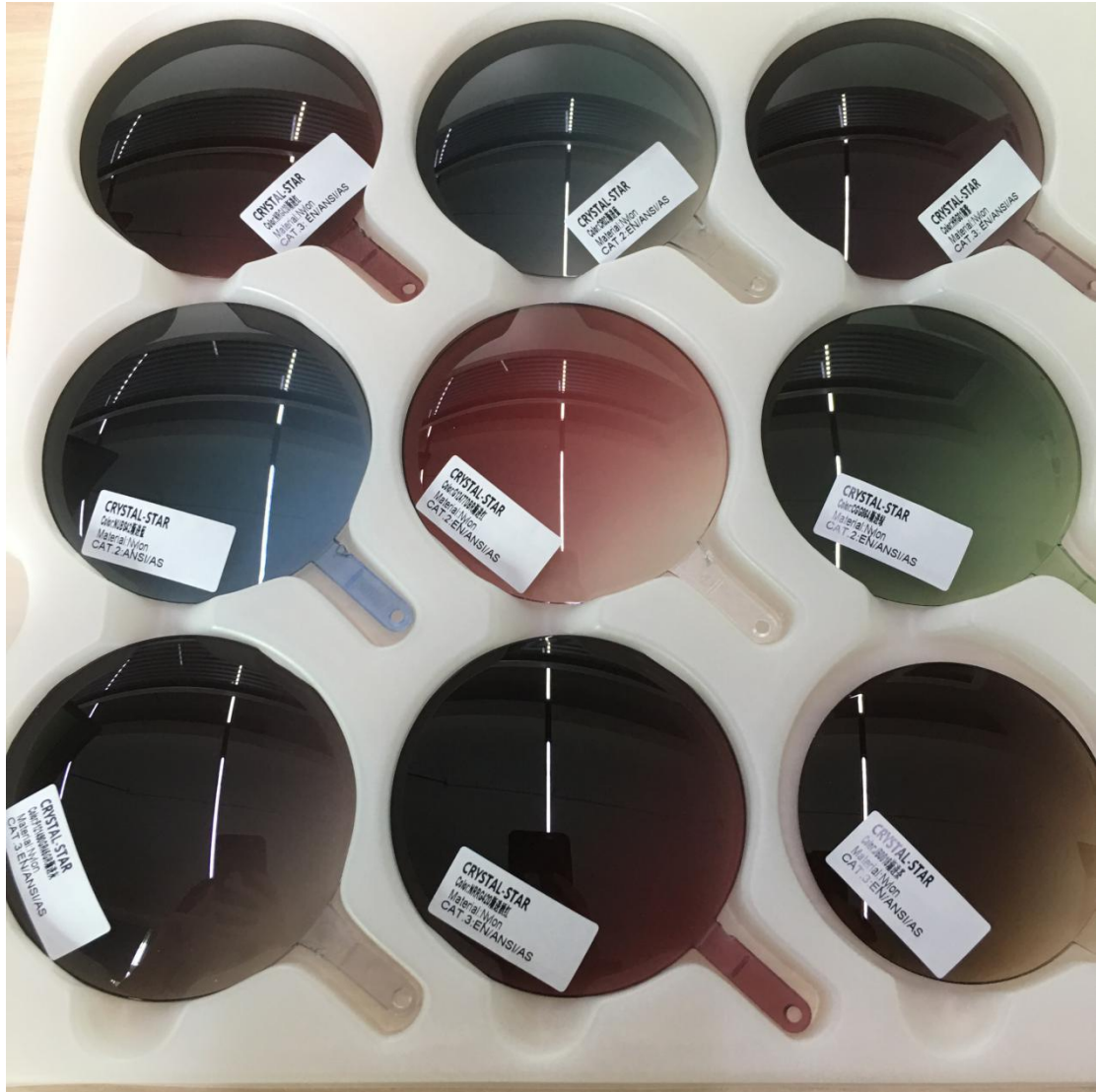












CRYSTAL STAR
Material: Nylon
CAT. 2 ENVIANSIAS
Color: Dark Red

CRYSTAL STAR
Material: Nylon
CAT. 2 ENVIANSIAS
Color: Dark Blue

CRYSTAL STAR
Material: Nylon
CAT. 2 ENVIANSIAS
Color: Dark Purple

CRYSTAL STAR
Material: Nylon
CAT. 2 ENVIANSIAS
Color: Medium Blue

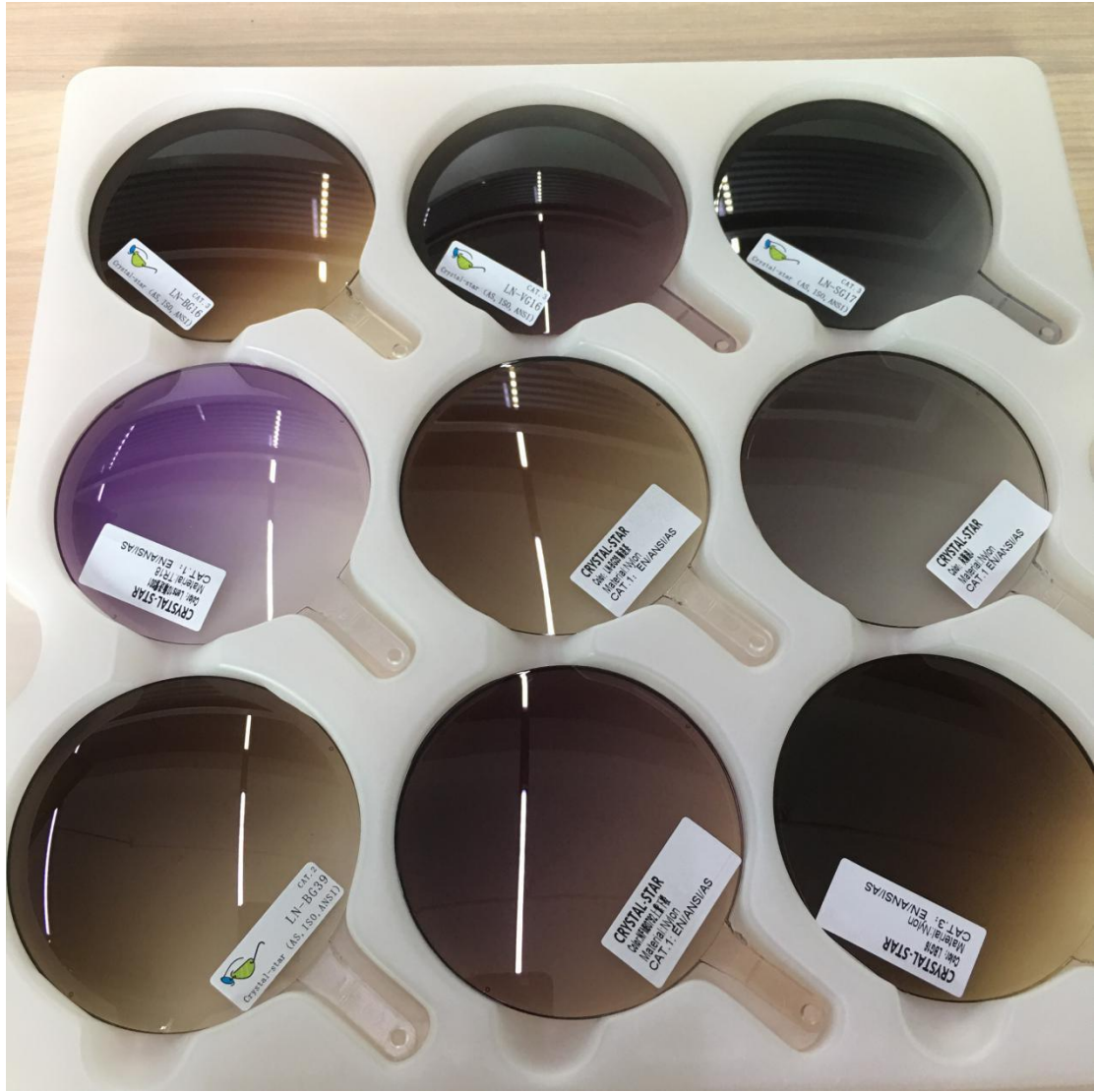
CRYSTAL STAR
Material: Nylon
CAT. 2 ENVIANSIAS
Color: Reddish Pink

CRYSTAL STAR
Material: Nylon
CAT. 2 ENVIANSIAS
Color: Green

CRYSTAL STAR
Material: Nylon
CAT. 2 ENVIANSIAS
Color: Dark Brown

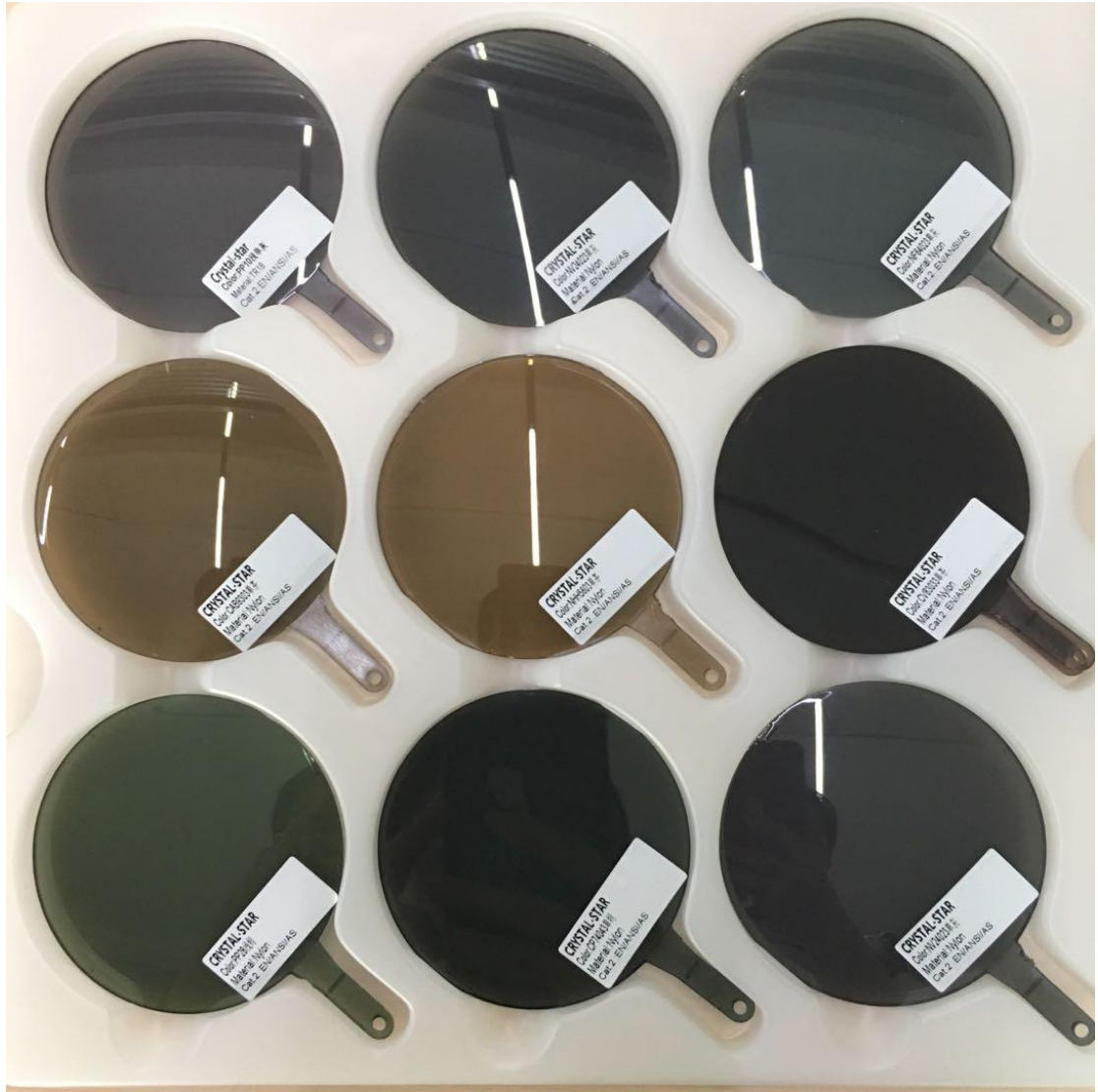
CRYSTAL STAR
Material: Nylon
CAT. 3 ENVIANSIAS
Color: Dark Red

CRYSTAL STAR
Material: Nylon
CAT. 2 ENVIANSIAS
Color: Dark Brown















TR18 CS017
DATE: 11/06/2018
BY: J. WANG (P.R. 01)

TR18 CS018
DATE: 11/06/2018
BY: J. WANG (P.R. 01)

TR18 CS019
DATE: 11/06/2018
BY: J. WANG (P.R. 01)

TR18 CS020
DATE: 11/06/2018
BY: J. WANG (P.R. 01)

TR18 CS021
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TR18 CS022
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TR18 CS023
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TR18 CS024
DATE: 11/06/2018
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TR18 CS025
DATE: 11/06/2018
BY: J. WANG (P.R. 01)

TR18 CS026
DATE: 11/06/2018
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TR18 CS027
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TR18 CS028
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TR18 CS029
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TR18 CS030
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BY: J. WANG (P.R. 01)

TR18 CS031
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BY: J. WANG (P.R. 01)

TR18 CS032
DATE: 11/06/2018
BY: J. WANG (P.R. 01)



