We offer products with different refractive indiceses (from 1.60 to 1.74) and other features, depending on your needs.

MR-8™ 1.60

MR-8™ is a 1.60 lens that offers the best balance and optical performance.

MR-7™ 1.67 MR-10™ 1.67

1.67 lenses are thinner and more lightweight.
MR-7™ has outstanding color tintability while MR-10™ has superior heat resistance.

MR-174™ 1.74

The MR-174™ is a 1.74 lens, among the world's thinnest.

Eyeglass manufacturers around the world use MR™ Series lenses.

(Company names arranged in alphabetical order)

Major Customers

ASAHI-LITE®	ASAHI LITE OPTICAL CO., LTD	RODENSTOCK	RODENSTOCK GMBH
ZEISS	CARL ZEISS VISION GMBH	SEIKO	SEIKO OPTICAL PRODUCTS CO., LTD.
CHEMI	CHEMIGLAS CORPORATION	SHAMIR	SHAMIR OPTICAL INDUSTRY, LTD.
DAEMYUNG OPTICAL CO., LTD.	DAEMYUNG OPTICAL CO., LTD.	SOMO	SOMO OPTICAL CO., LTD.
HOYA	HOYA CORPORATION	TOG	THAI OPTICAL GROUP PUBLIC CO., LTD.
ITOH	ITOH OPTICAL INDUSTRIAL CO., LTD.	TOKAI	TOKAI OPTICAL CO., LTD.
		YOUNGER OPTICS	YOUNGER OPTICS

MITSUI CHEMICALS

Vision Care Materials Division
Tokyo Midtown Yaesu, Yaesu Central Tower, 2-2-1 Yaesu, Chuo-ku, Tokyo 104-0028, Japan
TEL: +81-3-6880-7450 FAX: +81-3-6880-7560
https://jp.mitsuichemicals.com/en/special/mr/

Mitsui Chemicals

There is a reason why the world loves MR™ Series.

The MR™ Family

MR™ | For Global Standard Premium Lenses

We have begun to use MR™ Series.

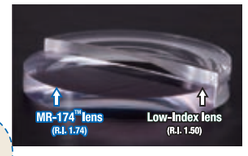
MR™ | For Global Standard Premium Lenses

1 Thin and lightweight

MR™ lenses are made of plastic, which is basically lighter than glass. After the development of highly refractive lenses, thinner and lighter lenses became the norm. Because they are lightweight and anti-slip, MR™ eyeglasses are ideal for sports activities.

A high refractive index makes this thinness possible.

With a high refractive index of 1.74, the MR-174™ lens is thinner than other plastic lenses.



Comparing lens weight

With the same power, MR™ lenses is about 20%-30% lighter than other products.

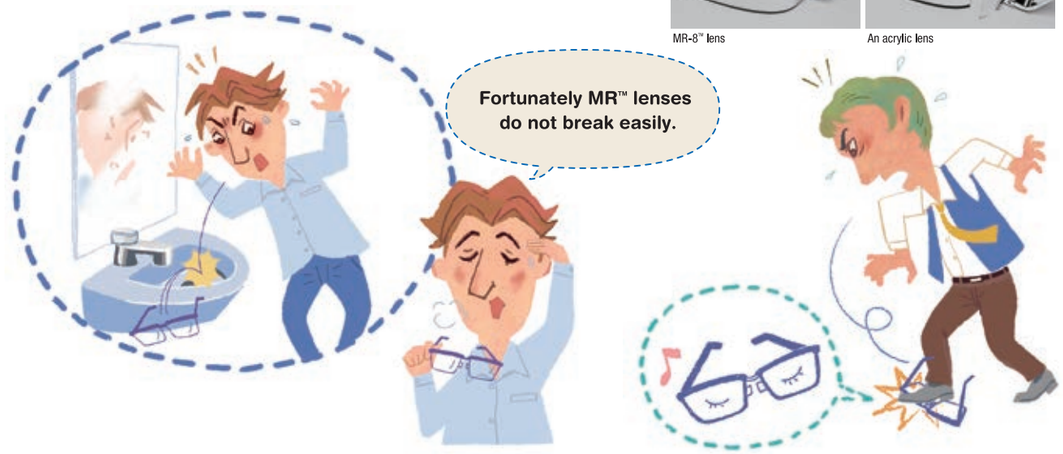
2 Safe and strong

The strength of MR™ lenses make it break-resistant and safe. Tough thiourethane resin makes it possible to create thin yet impact-resistant lenses for eyeglasses.

Break-resistant and safe

MR™ lenses have passed various strength tests. Despite being so thin, MR™ eyeglass lenses are safe because they do not break easily.

MR-8™ lens | An acrylic lens



3 Superior processibility and tintability

MR™ lenses can be made into any kind of eyeglasses, ranging from the latest bifocals to popular rimless eyeglasses. Moreover, the superior tintability of MR™ lenses make it useful for sunglasses and various other kinds of lenses.

For any types of frames
- Rimless
- Semi-rimless
- Highly curved lens (for sports)

For any lens design
- Bifocal lenses
- Multifocal lenses

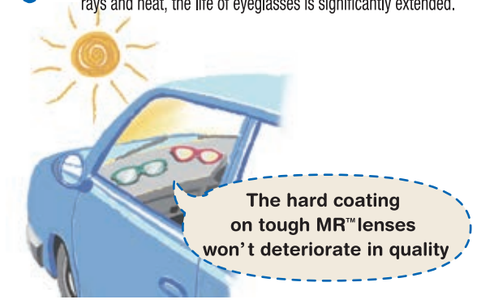
With any coating
- Hard coating
- Anti-reflective coating and scratch-resistant coating
- Anti-ultraviolet coating and anti-fog coating
- Shock-absorbing coating (primer coating)

For any application

Photochromic sunglasses (the lens color changes in response to ultraviolet rays)
Polarized lenses (for golfing, fishing, etc.)

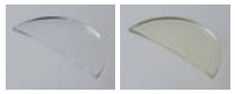
4 Outstanding durability

The various surface coatings for lenses are all highly adhesive. Furthermore, since the lens is so resistant to ultraviolet rays and heat, the life of eyeglasses is significantly extended.



Weather resistance test

Because it is made out of an ultraviolet-resistant material, the lens does not yellow after prolonged ultraviolet exposure.



MR-8™ lens | A medium refractive index lens (yellowed after prolonged use)

Coating peel test

The coating's high level of adhesion means it will not come off after long-term use.

MR-8™ lens | A medium refractive index lens (with the coating coming off)

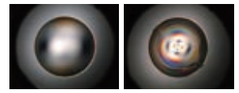
5 A clear view

It is possible to achieve a high Abbe number with limited color distortion. Because no distortion is created when the lens is formed, MR™ lenses guarantee clear vision.

Minimal lens distortion

The material is slowly hardened to produce distortion-free lenses. MR™ lenses provide clear, effortless visibility.

■ Comparing distortion through a polarized filter



MR-8™ lens | A polycarbonate lens