



BVI

ISOPURE

Premium Monofocal Hydrophobic IOL



Extended.
Uncompromised.
Simplified

GFY
Hydrophobic
Material

Non-Diffractive
lens

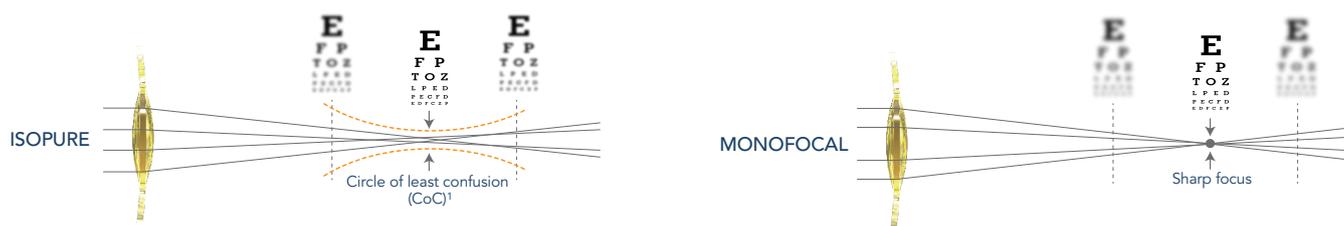


ISOPURE®

ISOPURE is a premium monofocal IOL suitable for cataract patients, designed to provide functional intermediate vision in different conditions, without compromising quality of vision - with the simplicity of a monofocal IOL.

The ISOPURE Lens

ISOPURE is a non-diffractive aspherical lens based on a polynomial technology. ISOPURE is designed to provide cataract patients with high quality far vision, combined with functional intermediate vision by accentuating the extended depth of focus effect without inducing photic phenomena.



ISOPURE Technology

To achieve extended depth of focus² performance, ISOPURE shows a unique design surface due to its unique polynomial³ technology.



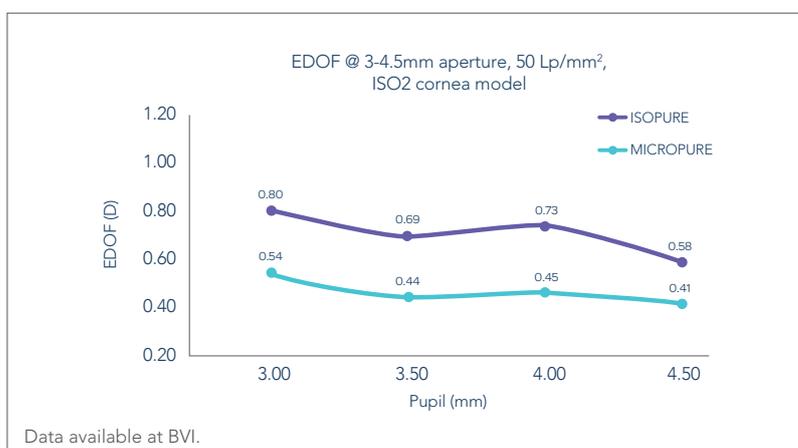
What do the studies say?

On the optical bench⁴, the ISOPURE tends to achieve around 1 diopter of depth of focus. This represents an increase of around 50% compared to a standard aspheric monofocal IOL (MICROPURE).

Reference: Data available at BVI.

Pupil Variation

At different conditions, ISOPURE provides a larger depth of focus compared to a monofocal lens.



Data available at BVI.

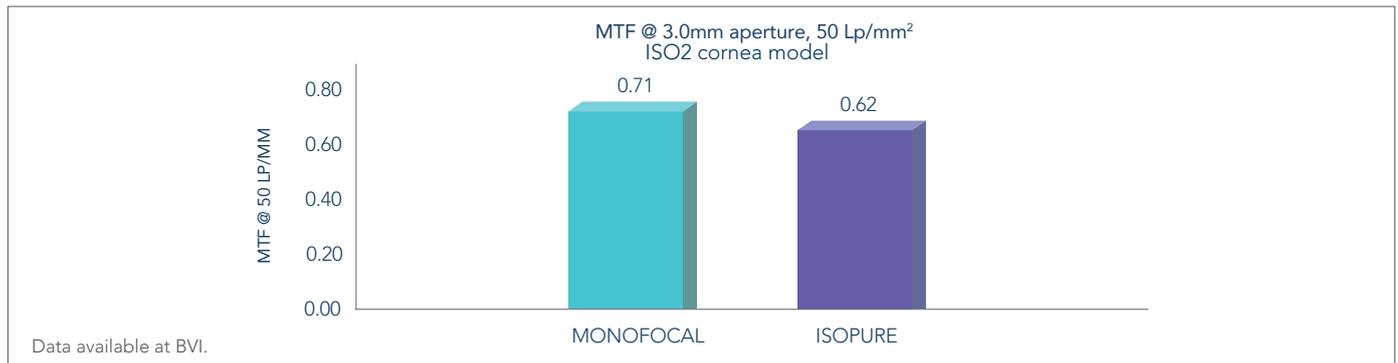
1. CoC is used in photography to determine the depth of focus of an image that is acceptably sharp. | 2. Extended depth of focus is defined as the power add-in diopter from the MTF peak (best focus) to MTF value of 0.17 at 50 Lp/mm (internal PhysiOL criterion). | 3. The ISOFUCAL Polynomial Surface Design has been patented since 2020. | 4. Measurement on optical bench equipped with the ISO2 cornea model which fulfills ISO 11979-2 with 0.28 µm spherical aberrations @ 5.15 mm aperture and IOL plane.

Simplified: Photic Phenomena

Due to the combination of its non-diffractive design and unique polynomial technology, the ISOPURE optic has been designed to minimize halos, glare or starbursts and is comparable to a monofocal lens.

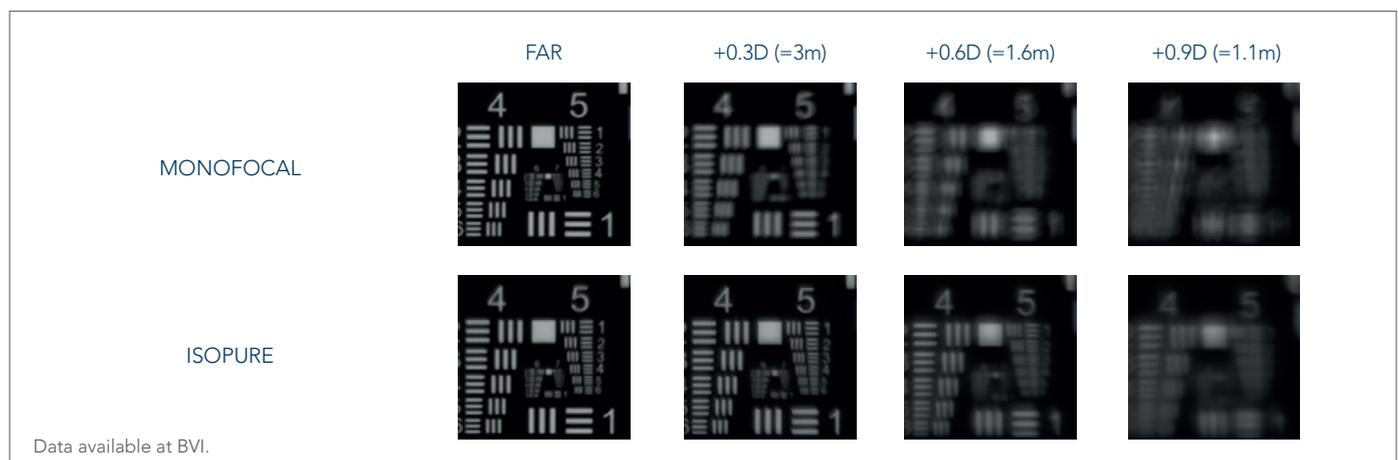
Uncompromised: Quality of Vision

ISOPURE benefits from a unique aspheric design on the **anterior and posterior surface**. Optical bench demonstrates comparable contrast sensitivity to a monofocal lens (ISO2 cornea model).



Extended: USAF Resolution Target

A model eye bench simulator viewing USAF 1951 target charts demonstrates below the optimal image quality for ISOPURE at far and intermediate vision compared with a monofocal aspheric lens.



Over 10 years of proven technology

- GFY hydrophobic material patented since 2010.
- Proven micro platform stability and long-term safety.
- SINGLE-USE INJECTOR 1.2.3 PREMIUM.



ISOPURE



Description

Model	ISOPURE 123	
Material	GFY Hydrophobic Acrylic ¹	
Overall diameter	10D to 24.5D: 11.00mm - 25D to 30D: 10.75mm	
Optic diameter	10D to 24.5D: 6.00mm - 25D to 30D: 5.75mm	
Optic	Polynomial Surface Design ⁴	
Filtration	Micro (4-closed loops) & Posterior Angulated Haptic	
Haptic design	UV & Blue Light	
Refractive index	1.53	
Abbe number	42	
Injection system	SINGLE-USE INJECTOR 1.2.3 PREMIUM	
Spherical power	+10D to +30D (0.5D steps) Cartridge with PRS [®] technology ²	
Suggested A constant³		Interferometry
	Hoffer Q: pACD	5.85
	Holladay 1: Sf	2.06
	Barrett: LF	2.09
	SRK/T: A	119.40
	Haigis: a0; a1; a2	1.70; 0.4; 0.1
Model	ISOPURE	
Overall diameter	10.75mm	
Optic diameter	5.75mm	
Injection system	Medical Accuject 2.0 / 2.1 / 2.2mm	
Spherical power	+31D to +35D (1D steps)	

References:

1. GFY[®] is patented since 2010. | 2. PRS technology is patented since 2018. | 3. Values estimated only; surgeons are recommended to personalize their A-constant based on their surgical techniques and equipment, experience with the lens model and postoperative results. | 4. The ISOFOCAL Polynomial Surface Design has been patented since 2020.

Contact Information:

www.bvimedical.com/customer-support/

