

TECHNICAL DATA

OPTIMUM

Special Attributes

The Optimum range of GP materials offer a wide range of oxygen permeabilities, excellent wettability and high stability. Optimum is FDA approved for a broad range of indications and contact lens modalities. The balanced properties of Optimum makes this material ideally suited for a range of lens designs such as toric, multifocal, keratoconus or corneas with high oxygen demand. The Optimum range of materials also has FDA approval for the enhancement of surface wettability through the use of Tangible Hydra-PEG coating.

Please Note: Regulatory requirements and standards vary from country to country, and are constantly evolving. As a global company we want to be sure we provide you with detailed technical information, specific to your market, where appropriate, rather than using the condensed and simplified technical information on the website. If you need to use technical data for quality paperwork, or for a regulatory submission, please contact your account manager to obtain this precise and detailed information to support your regulatory requirements, we will be happy to help.

Material Characteristics

PROPERTY	OPTIMUM CLASSIC	OPTIMUM COMFORT	OPTIMUM EXTRA	OPTIMUM EXTREME
Classification	Focon III 2	Focon III 4	Focon III 4	Focon III 5
USAN	Roflufocon A	Roflufocon C	Roflufocon D	Roflufocon E
Light Transmission (Clear)	>97 %	>96 %	>97 %	>94 %
Oxygen Permeability (ISO) at 35°C (barrers)	26	65	100	125
Refractive Index	1.45	1.44	1.43	1.43
Shore D Hardness	83	79	75	77
Specific Gravity	1.19	1.17	1.16	1.15
Handling Tints	Blue, Lt Blue, Green, Forest Green, Grey	Blue, Lt Blue, Green, Forest Green, Grey, Brown, Red	Clear, Blue, Lt Blue, Green, Grey, Violet	Clear, Blue, Lt Blue, Green, Grey, Violet, Red
UV Blocker	On request	On request	On request	On request
Polishing Compound	Contapol 3	Contapol 3	Contapol 3	Contapol 3
Blocking Wax	Low melt	Low melt	Low melt	Low melt
Cutting Speed	7,000 - 9,000 rpm	7,000 - 9,000 rpm	7,000 - 9,000 rpm	7,000 - 9,000 rpm
Polishing Speed	3,500 rpm	3,500 rpm	3,500 rpm	3,500 rpm

Please note: Some values may have been rounded for presentation purposes. Please contact your account manager for further details.

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Manufacturing Consumables

Low melt wax
Water soluble wax
Contapol 3 polishing compound
Microfiber polishing cloth
Silk polishing cloth
Delrin polishing cups
Delrin polishing sponge
Delrin drum polishing sponge
Contasolve de-blocking solution
Roller sponges

Accessories

Laboratory lens handler
Double soft lens mailers
RGP double mailers
Large RGP double mailers
Plastic tamper evident RGP vial
Double optibase plastic RGP vial
OptimumRGP trial set
Lens remover
DMV RGP lens remover
DMV scleral lens removers
Lens catch mat

Reference

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