

## 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.

#### 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	1.450	1.437	1.431	1.432
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
Diameter	12.70 mm	12.70 mm	12.70 mm	12.70 mm
Thickness	4.70 mm	4.70 mm	4.70 mm	4.70 mm
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

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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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