

## 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

## TECHNICAL DATA

### 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

The values quoted on this data sheet are indicative of the typical values that can be obtained for the material. For the complete specification, please contact Contamac at +44 (0)1799 514800 or [sales@contamac.co.uk](mailto:sales@contamac.co.uk). Unauthorised copy or reproduction of the above information is strictly prohibited without the prior consent of Contamac Ltd.

Version: 4 - 210408

Contamac Ltd  
Carlton House, Shire Hill  
Saffron Walden, Essex  
CB11 3AU

T. +44 (0)1799 514800  
E. [sales@contamac.co.uk](mailto:sales@contamac.co.uk)  
[www.contamac.com](http://www.contamac.com)