

# Technical Data Sheet

## OPTIMUM

### Optimum Range

#### Special Attributes:

The Optimum range of GP materials offer the lowest wetting angles in the industry, outstanding oxygen permeability and high stability, all to achieve one goal - on eye comfort. Optimum is FDA approved for a full range of indications such as myopia, hyperopia, astigmatism and aphakia. The balanced properties of Optimum makes this material ideally suited for a range of lens designs such as toric, multifocal, keratoconus or corneas with a high oxygen demand. The Optimum range of materials also has FDA approval for the enhancement of surface wettability through the use of plasma treatment.

#### Material Characteristics:

Property	Optimum Classic	Optimum Comfort	Optimum Extra	Optimum Extreme
Classification	Focon III 2	Focon III 3	Focon III 4	Focon III 4
USAN	Roflufocon A	Roflufocon C	Roflufocon D	Roflufocon E
Receding contact angle (DCA)	12	6	3	6
Light Transmission	>97%	>96%	>97%	>94%
Permeability (ISO) X10 <sup>-11</sup> (cm <sup>2</sup> /sec) (mlO <sub>2</sub> )/(ml x mmHg)	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	Blue Green Grey	Blue Green Grey	Blue
UV Blocker	On request	On request	On request	On request
Diameter	12.70mm	12.70mm	12.70mm	12.70mm
Thickness	4.70mm	4.70mm	4.70mm	4.70mm
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: These are typical values. Always check the certificate of compliance supplied with the goods for the actual values of the batch.



### **Manufacturing Consumables:**

- Contapol 3 Polishing Compound
- Black Low Melt Wax
- C-18c Beige Microfibre Polishing Cloth
- C-18d Polishing Silk
- Contasolve De Blocking Solvent

### **Accessories:**

- Optimum GP Lens Case
- GP151 Double Opticase Blue/White
- GP Double Mailers
- GP152 Tamper Evident Vial
- Rubber Suckers

Products and specifications correct at time of production, unauthorised copy or reproduction of the above information is strictly prohibited without the prior consent of Contamac Ltd. Version: 5 – 22.06.09

Contamac Ltd Orchard House Bearwalden Business Park Wendens Ambo  
Saffron Walden Essex CB11 4JX UK

Tel: +44 (0)1799 544400 Fax: +44 (0)1799 543000 E-mail: [sales@contamac.co.uk](mailto:sales@contamac.co.uk)

