

## TECHNICAL DATA

### F2

#### Special Attributes

The F2 materials comprise of fluorosilicone acrylate chemistry, designed to promote the known advantages of improved wettability and deposit resistance. This range of workhorse materials has excellent machining characteristics and is ideal for thin lens designs. In addition to routine spherical fits this material can also be used with more sophisticated designs. The fitting characteristics are predictable, as the range offers a variety of Dk values but has the same chemistry design.

#### Material Characteristics

PROPERTY	F2 LOW	F2 MID	F2 HIGH
Classification	Focon III 2	Focon III 3	Focon III 4
Light Transmission (Clear)	>96 %	>96 %	>96 %
Oxygen Permeability (Gas to Gas) at 35° (barrers)	28	50	100
Oxygen Permeability (ISO) at 35° (barrers)	11	33	42
Refractive Index	1.46	1.45	1.44
Shore D Hardness	83	82	81
Wetting Angle (Captive Bubble)	19	19	21
Handling Tints	Clear, Blue, Green, Grey	Clear, Blue, Green, Grey, Violet, Red	Clear, Blue, Green, Grey, Violet
UV Blocker	On request	On request	On request
Diameter	12.70 mm	12.70 mm	12.70 mm
Thickness	4.70 mm	4.70 mm	4.70 mm
Polishing Compound	Contapol 3	Contapol 3	Contapol 3
Blocking Wax	Low Melt	Low Melt	Low Melt
Cutting Speed CNC	6,500 - 8,000 rpm	6,500 - 8,000 rpm	6,500 - 8,000 rpm
Cutting Speed Air Bearing	6,500 - 9,000 rpm	6,500 - 9,000 rpm	6,500 - 9,000 rpm
Polishing Speed	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.

## 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
- Lens remover
- DMV RGP lens remover
- 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: 3 - 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)