

Technical Data Sheet

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:

Properties	F2 Low	F2 Mid	F2 High
Classification	Focon III 2	Focon III 3	Focon III 4
Light Transmission	>96%	>96%	>96%
Permeability (Gas to Gas) $\times 10^{-11}(\text{cm}^2/\text{sec})$ (mlO_2)/($\text{ml} \times \text{mmHg}$)	28	50	100
Refractive Index	1.46	1.45	1.44
Shore D hardness	83	82	81
Wetting angle (captive bubble method)	19	19	21
Handling tints	Blue, Green, Grey	Blue, Green, Grey	Blue, Green, Grey
UV Blocker	On request	On request	On request
Diameter	12.70mm	12.70mm	12.70mm
Thickness	4.70mm	4.70mm	4.70mm
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 spindle	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.



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:

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

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