

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

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Manufacturing Consumables

Low melt wax
Water soluble wax
Contapol 3 polishing compound
Siflo 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 opticase plastic RGP vial
Lens remover
DMV RGP lens remover
Lens catch mat

Reference

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