OPTIMUM BREATHE

TECHNICAL DATA

Designed as a bespoke material in response to industry demands for higher oxygen permeability for patients with complex corneal conditions, Optimum Breathe offers post-graft and failing-graft patients another scleral lens material option. Specifically for scleral lenses, Optimum Breathe delivers the highest Dk on the market, to support patients with challenging corneal conditions such as corneal transplants, Fuchs' endothelial corneal dystrophy and endothelial failure. Optimum Breathe has been designed for use by manufacturers producing scleral lenses intended for a range of challenging fitting scenarios, where high oxygen permeability is often considered during material selection.

Please Note: Regulatory requirements and standards vary from country to country, and are constantly evolving. As a global company we want to be sure we provide you with detailed technical information, specific to your market, where appropriate, rather than using the condensed and simplified technical information on the website. If you need to use technical data for quality paperwork, or for a regulatory submission, please contact your account manager to obtain this precise and detailed information to support your regulatory requirements, we will be happy to help.

Material Characteristics

PROPERTY	OPTIMUM BREATHE
Oxygen Permeability (ISO) at 35°C (Barrer)*	250
Wetting Angle (°) (Captive Bubble)	39
Refractive Index	1.44
Shore D Hardness	79
Flexural Modulus (MPa)	1254
Flexural Strength (MPa)	63
UV Blocker	Standard
Tangible Hydra-PEG	Available

Please note: Some values may have been rounded for presentation purposes. Please contact your account manager for further details.

Manufacturing Consumables

Low Melt Black Wax
Contapol 3 Polish
Delrin Polishing Cup
Delrin Polishing Sponge
Grey Roller Sponge
Microfiber Polishing Cloth

Accessories

Laboratory Lens Handler
Double Soft Lens Mailers
Double GP Mailers
DMV RGP Lens Remover Ultra
DMV Soft Lens Handler/Remover
DMV Scleral Suction Holder

* ISO/Fatt Method: DKUnits= $x10^{-11}$ $(cm^2/s)(mL\ O_2)/(mL.mm\ Hg)@35°C$

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

T. +44 (0)1799 514800
E. sales@contamac.co.uk
www.contamac.com