

TECHNICAL DATA

OPTIMUM INFINITE

Special Attributes

Introducing Optimum Infinite, a gas permeable (GP) material with a unique combination of oxygen permeability and flexural modulus. Optimum Infinite has a hyper oxygen permeability value of 180Dk and a high flexural modulus of 1341MPa, defying the high-Dk-low-flexural modulus convention. This breakthrough was motivated by the requirements raised for a dedicated scleral material at several laboratory panel and Key Opinion Leader meetings. Optimum Infinite is FDA cleared for a full range of indications and its excellent surface wettability can be further enhanced through the use of Tangible Hydra-PEG coating.

Material Characteristics

PROPERTY	OPTIMUM INFINITE
USAN	Tisilfocon A
Oxygen Permeability (ISO) at 35°C (barrers)	180
Flexural Modulus (MPa)	1341 MPa
Refractive Index	1.438
Shore D Hardness	81
Specific Gravity	1.20
Handling Tints	Blue, Ice Blue, Clear
UV Blocker (Class II)	Included
Diameter	12.70 mm
Thickness	4.35 mm
Large Diameter	Available On Request

Reference

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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