

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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