

TECHNICAL DATA

OPTIMUM INFINITE

Special Attributes

Introducing Optimum Infinite, a gas permeable (GP) material with the highest combination of oxygen permeability and flexural modulus on the market. Independent testing showed Optimum Infinite as having an oxygen permeability value of 200Dk, while in-house tests determined 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) | 200 |
| 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 |

Please note: These are typical values. Always check the certificate of compliance supplied with the goods for the actual values of the batch.

Reference

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