

TECHNICAL DATA

UNISIL

Special Attributes

Unisil is Contamac's latest silicone hydrogel material, developed specifically to add greater versatility to your soft contact lens portfolio via its finely-tuned and balanced blend of monomers. Unisil's unique polymer matrix provides outstanding surface wettability, visual acuity, and a higher Dk than conventional hydrogels to improve corneal health. The result is a material offering superior levels of stability and reproducibility. Unisil also has a Class II UV blocker as standard to satisfy the demands of daily wear and daily life.

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	UNISIL
Oxygen Permeability (ISO) at 35°C (barrers)	50
Water Content	62%
Modulus	0.80 MPa
Tensile Strength	0.88 MPa
Elongation to Break	>200%
Shore D Hardness	86
Refractive index at 20°C dry	1.511
Refractive index at 20°C hydrated	1.398
Plasma Treatment	Not Required
Handling Tint	Blue
UV Blocker (Class II)	Included
Diameter	12.70mm
Thickness	5mm

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

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Manufacturing Consumables

- Low melt blocking wax
- Contapol 2 polishing compound
- Cotton polishing cloth
- Delrin polishing cups
- Delrin polishing sponge

Accessories

- Tweezers
- Glass vials
- Stoppers
- Aluminium top seals
- Flip tear up seals
- Shrink-wrap sleeves
- Net vial sleeves
- DMV soft lens remover
- Lens catch mat

Reference

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