

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.

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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