

## 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

The values quoted on this data sheet are indicative of the typical values that can be obtained for the material. For the complete specification, please contact Contamac at +44 (0)1799 514800 or [sales@contamac.co.uk](mailto:sales@contamac.co.uk). Unauthorised copy or reproduction of the above information is strictly prohibited without the prior consent of Contamac Ltd.

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