



CBJ 1.8

TECHNICAL DATA

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Linktree*

CBJ 1.8

TECHNICAL DATA



MATERIAL TYPE

High-performance hydrophobic acrylic polymer

KEY BENEFITS

- Shares the advanced performance characteristics of CBK with greater adaptability to various lens designs and surgical techniques
- Reduces protein and bacterial adhesion, helping limit post-operative complications
- Excellent optical stability, resistant to yellowing, with long-lasting transparency
- Higher UV filtration than CBK, improving visual comfort for sensitive patients
- Exceptional biocompatibility ensured by an exclusive purification process
- Minimal inflammatory response

SURGICAL ADVANTAGES

- Flexibility and resilience for minimally invasive implantation
- Suitable for micro-incisions of 1.8 to 2.0 mm
- Optimal refractive index allowing thinner lens profiles with excellent visual outcomes

CHARACTERISTICS

GUARANTEED VALUES

Blank Lightness / Color	Transparent, Yellow
Dissolved Organic Carbon* (including Monomer residue)	< 500 ppm
Refractive Index at 589 nm at 20 °C	1,547 ± 0,002
Refractive Index at 589 nm at 35 °C	1,542 ± 0,002
Diameter of frozen blanks on two meridians at 90°	Min 14,80 mm & Max 15,25 soon available in 13 mm
Thickness of frozen blanks	Min 2,70 mm Max 3,50 mm
Glass transition temperature	Min 6,2 °C Max 12,0 °C (results from 1st scan)
Transmission measured on blank immersed in brine	≤ 10 % at 410 nm Between 30 % and 40 % at 450 nm ≥ 82.5 % at 550 nm

*Measure performed on a water extract obtained after a 24h extraction of blanks sample.



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MATERIAL TYPE

High-performance hydrophobic acrylic polymer

KEY BENEFITS

- Reduces protein and bacterial adhesion, significantly lowering the risk of post-operative complications
- Exceptional long-term optical stability: high resistance to yellowing and lasting transparency
- Integrated UV filter for enhanced patient visual comfort
- Outstanding biocompatibility thanks to a unique polymer purification process
- Minimal inflammatory response and optimal compatibility with ocular tissues

SURGICAL ADVANTAGES

- Flexibility and resilience allow for minimally invasive implantation
- Suitable for micro-incisions of 1.8 to 2.0 mm
- Optimal refractive index enabling thinner lens designs without compromising visual quality

CHARACTERISTICS

GUARANTEED VALUES

Blank Lightness / Color	Transparent, Light
Dissolved Organic Carbon* (including Monomer residue)	< 500 ppm
Refractive Index at 589 nm at 20 °C	1,547 ± 0,002
Refractive Index at 589 nm at 35 °C	1,542 ± 0,002
Diameter of frozen blanks on two meridians at 90°	Min 14,80 mm & Max 15,25 soon available in 13 mm
Thickness of frozen blanks	Min 2,70 mm Max 3,50 mm
Glass transition temperature	Min 6,2 °C Max 12,0 °C (results from 1st scan)
Transmission measured on blank immersed in brine	≤ 5 % at 365 nm ≤ 10 % at 380 nm ≥ 80 % at ≥ 450 nm ≥ 85 % at ≥ 550 nm

**Measure performed on a water extract obtained after a 24h extraction of blanks sample.*



CBO Optis

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CBO Optis TECHNICAL DATA



MATERIAL TYPE

Next-generation hydrophobic polymer

KEY BENEFITS

- Completely glistening-free for lasting transparency and outstanding optical stability
- Exceptional machinability for perfect adaptation to modern manufacturing processes
- Reduced stickiness during handling for easier surgical manipulation and lower intraoperative risk

SURGICAL ADVANTAGES

- Injectable through 2.2 to 2.4 mm micro-incisions
- Provides surgeons with greater technical freedom while meeting the most demanding standards for minimally invasive surgery
- A premium choice for practitioners seeking a reliable, high-performing hydrophobic material suited to today's surgical excellence standards

CHARACTERISTICS*



New generation of hydrophobic material, injectable in 2.0-2.2 mm

Higher adaptability to processing

Glistening free

Reduced stickiness

**Note: Our current technical sheets contain all available information. Further details are currently under evaluation.*