

# Menicon PremiO contact lenses

2 week  
replacement

## Material

### MeniSilk™ & Nanogloss™ Technology

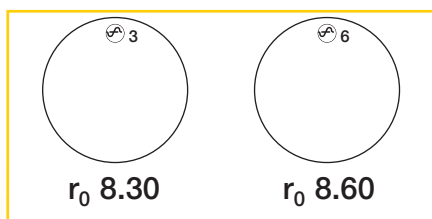
- Asmofilcon A
- Water content: 40%
- Silicone Hydrogel (Group V ISO18369-1)
- **Dk:**  $129 \times 10^{-11}$  (cm<sup>2</sup>/sec) (mLO<sub>2</sub>/(mL · mmHg)) (ISO)
- Spectral and luminous transmittance: 98%
- Refractive index: 1.423
- Contact angle: 27° (Captive bubble method)
- Blue handling tint
- Nanogloss™ surface treatment

## Lens design

- **Dk/t:**  $161 \times 10^{-9}$  (cm<sup>2</sup>/sec) (mLO<sub>2</sub>/(mL · mmHg)) (ISO)
- Center Thickness: 0.08 mm (-3.00 D)
- Spherical optic design
- Comfortable thin and semi-round edges

## Parameters range

- BC: 8.30 mm / 8.60 mm
- Diameter: 14.00 mm
- F'v: + 6.00 to - 13.00 D
- Lens mark on front surface



## Recommended wear schedule

- 2 week replacement
- Daily wear or flexible wear (up to 7 days/6 nights extended wear)
- Recommended care regimen: MeniCare Soft solution

## Packaging

- 6 lens blisters per pack
- Menicon heart shaped blister



 Menicon

  
*premiO*



**The 2 week Silicone Hydrogel lens**

**Made with Passion**

# Menicon PremiO

## MeniSilk™ & Nanogloss™ Technology

MeniSilk™ innovative new water-philic monomer with advanced polymerization system:

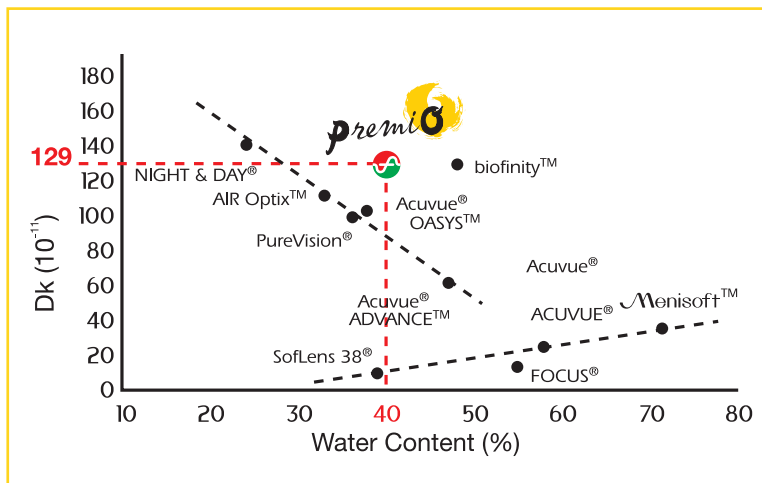
- Outstanding oxygen permeability
- Remarkable moisture level
- High degree of transparency.

Nanogloss™ new surface treatment:

- Improved wettability
- Lipid resistance.



## The perfect balance between hyper Dk and water content

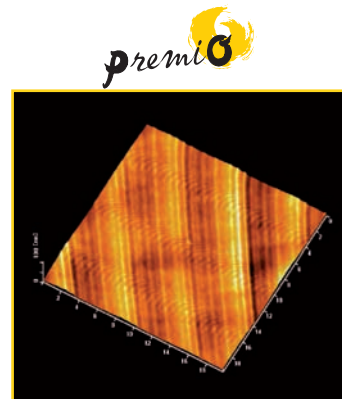
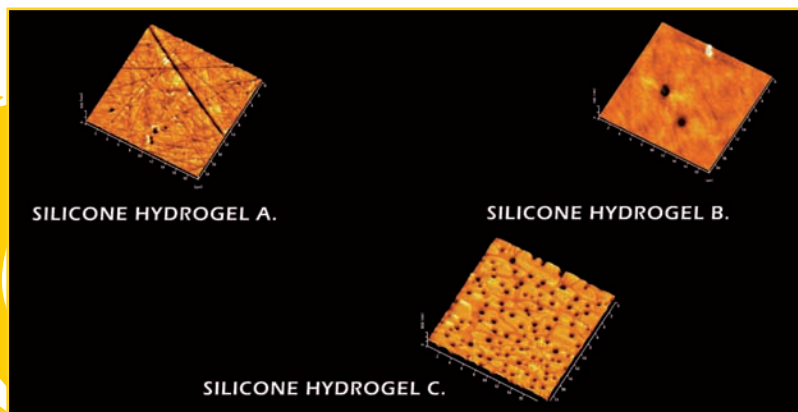


## Optimal ocular health

- 2 Week replacement.
- Daily wear or flexible wear (up to 7 days extended wear.)

## Nanogloss™ Advanced Surface Technology

- Highly controlled smooth surfaces
- Nanometer scale reproducibility.



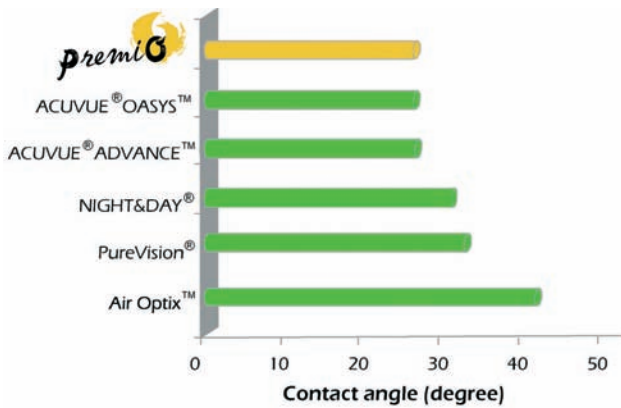
Atomic Force Microscope images (20x20 μm)

Source : Menicon data on file

# contact lenses

## Improved wettability

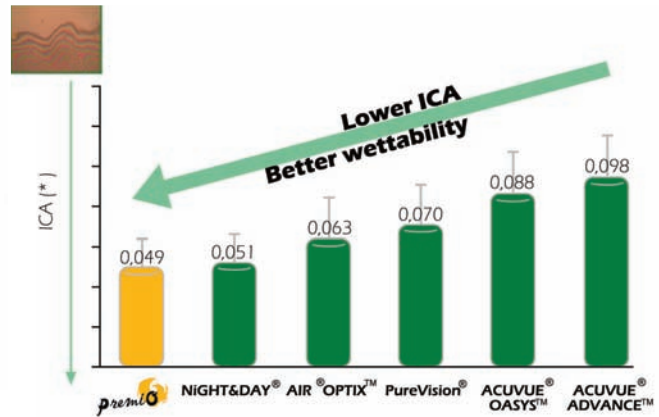
### Captive bubble method



Source : Menicon data on file

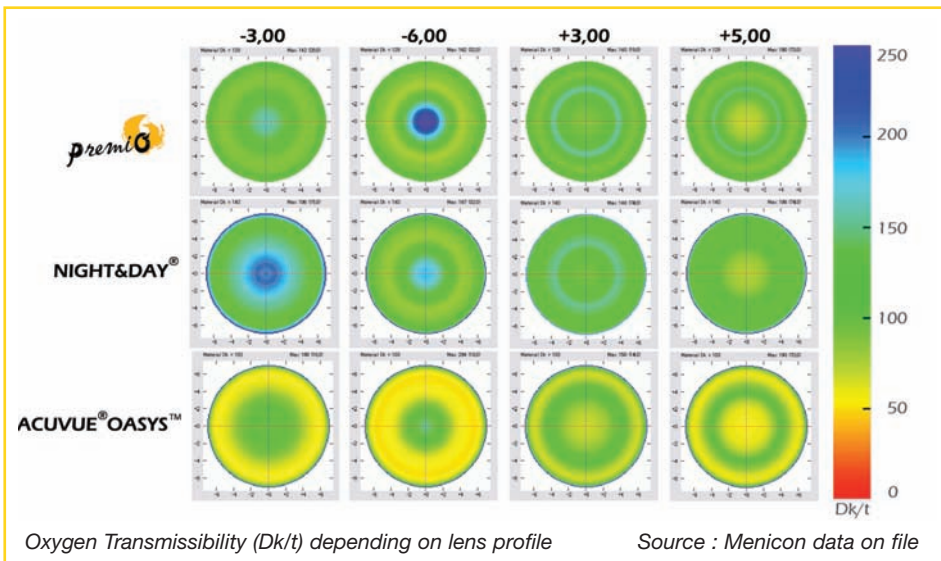
### New interference - bases technique

Comparison of Interferometric Contact Angles (ICA)

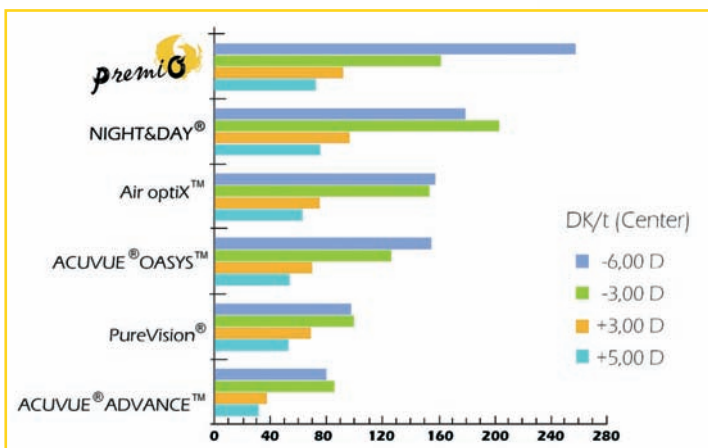


Source : K. Maruyama et al. BCLA 2007 - Menicon Co., Ltd.

## Maximum corneal oxygenation across all parts of the lens...



## ... and over the entire power range



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