

MicroPES® 2F PH

DATA SHEET

Sheet No. 461/0039/000 of 07/11
Supersedes 461/0039/000 of 03/11

Hydrophilic Flat Membrane Type 2F PH

The intended use is microfiltration

Chemical Composition Polymer Polyethersulfone

Physical Properties

Test Reference No.

Thickness	m 110 µm (≈ 4.331 mil) ± 10 µm (≈ 0.394 mil)	701/013
Tensile strength		
longitudinal	≥ 900 cN/15mm	701/012
transversal	≥ 800 cN/15mm	
Elongation at break		
longitudinal	≥ 25 %	701/012
transversal	≥ 30 %	
Burst pressure	≥ 1.3 bar (≈ 18.9 psi)	701/004
Change of length (steam, 121°C)	≤ 3 %	701/027

Membrane Performance Characteristics

Bubble point (in water)	m 4.5 bar (≈ 65.3 psi) ± 0.6 bar (≈ 8.7 psi)	701/008
Transmembrane flow (water, 25°C)	≥ 25 ml/(min cm ² bar) ≥ 1600 ml/(min sq ft psi) ≥ 11.12 ml/(min sq in psi)	701/046
Retention of bacteria (Brevundimonas diminuta)	≥ 7 log reduction value	703/023

Available Make-up Configurations

Rolls

m = mean value

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Membrana GmbH

Oehder Strasse 28, D-42289

Wuppertal, Germany

Phone: +49 202 6099 - 593 or 276

Fax: +49 202 6099 - 750

www.membrana.com