

Flat sheet membrane

DuraPES 600 flat sheet membrane

Product name: Thermo Scientific™ DuraPES™ 600 Flat Sheet Membrane

General

Intended use Microfiltration

Available make-up configuration Rolls

Chemical composition

Polymer Polyethersulfone

Membrane performance characteristics

Bubble point (water, 25°C) m 2.25 bar (≈32.63 psi) ± 0.35 bar (≈5.07 psi)

Transmembrane flow (water, 25°C)

≥ 160 ml/(min cm² bar)
≥ 10249.24 ml/(min sq ft psi)
≥ 71.18 ml/(min sq in psi)

Retention of bacteria (Sacc. cerevisiae) ≥ 7 log reduction value

Typical physical properties

Thickness m 140 µm (≈5.512 mil) ± 10 µm (≈0.394 mil)

Tensile strength

Longitudinal ≥ 550 cN / 15 mm

Transversal ≥ 450 cN / 15 mm

Elongation at break

Longitudinal ≥ 10%

Transversal ≥ 15%

Change of length (steam, 121°C) ≤ 3%

m = mean value

Intended Use: DuraPES 600 flat sheet membranes are flat sheet liquid microfiltration membrane products intended for use by customers, such as OEMs, in the manufacture of liquid microfiltration cartridges and liquid microfiltration systems in various applications such as industrial, food and beverage, pharmaceutical and medical device, etc. requiring specialized liquid microfiltration in accordance with the product's use requirements and instructions.

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Thermo Fisher Scientific BPG GmbH

Oehder Strasse 28

42289 Wuppertal, Germany

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