

MicroPES® 1F EL

DATA SHEET

Sheet No. 461/9064/000 of 08/12
Supersedes 461/9064/000 of 03/11

Hydrophilic Flat Membrane Type 1F EL

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)	701/067
Tensile strength		
longitudinal	≥ 800 cN/15mm	701/012
transversal	≥ 700 cN/15mm	
Elongation at break		
longitudinal	≥ 25 %	701/012
transversal	≥ 30 %	
Burst pressure	≥ 1 bar (≈ 14.5 psi)	701/004
Change of length (steam, 121 °C)	≤ 3 %	701/027

Membrane Performance Characteristics

Bubble point (in iso-propylalcohol)	m 2.06 bar (≈ 29.9 psi) ± 0.21 bar (≈ 3.0 psi)	711/065
Transmembrane flow (water, 25 °C)	≥ 10 ml/(min cm ² bar) ≥ 640.5 ml/(min sq ft psi) ≥ 4.448 ml/(min sq in psi)	701/046

Available Make-up Configurations

Rolls

m = mean value

This product is to be used only by persons familiar with its use. It must be maintained within the stated limitations. This product is delivered non-sterile. All sales are subject to Seller's terms and conditions. Seller reserves the right to modify this document without prior notice. Check with your representative to verify the latest update. To the best of our knowledge, the information contained herein is accurate. However, neither Seller nor any of its affiliates assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

THE INFORMATION CONTAINED HEREIN AND SELLER'S PRODUCTS ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR USE, OR NON-INFRINGEMENT OF INTELLECTUAL PROPERTY. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF INFORMATION CONTAINED HEREIN AND SELLER'S PRODUCTS.

MicroPES®, ACCUREL® and DuraPES® are registered trademarks of Membrana GmbH. Nothing herein shall be construed as a recommendation or license to use any information that conflicts with any patent, trademark or copyright of Seller or others. Membrana Filtration is the industrial business unit of Membrana GmbH.

Copyright © 2012 Membrana GmbH. All rights reserved



Membrana GmbH

Oehder Strasse 28, D-42289
Wuppertal, Germany

Phone: +49 202 6099 - 593 or 276

Fax: +49 202 6099 - 750

www.membranafiltration.com