

# Solupor<sup>®</sup>

## 16P10A

### Microporous Polyethylene Film

SOLUPOR<sup>®</sup> membranes are highly porous with high gas, air and liquid permeability. Combined with a controlled pore size, this makes SOLUPOR<sup>®</sup> membranes suitable for a range of filtration applications. Made from Ultra High Molecular Weight Polyethylene, using a unique patented proprietary manufacturing technology.

#### Features

Highly Porous with Excellent Mechanical Properties

Good Absorption Properties, Large Pore Size

#### Chemical Composition

Polymer

(Ultra) High Molecular Weight Polyethylene

#### General Properties

	Typical Value	Unit	Test Method
Total Weight per Surface Area	16	g/m <sup>2</sup>	MV 001
Thickness	120	µm	MV 002
Porosity	85	%	MV 001
Air Permeability, Gurley number	4	s/50 ml	MV 006
Mean Flow Pore Size	0.9	µm	MV 003

#### Additional Properties

	Typical Value	Unit	Test Method
Tensile Strength @ Machine Direction	10	MPa	MV 010 / ASTM D882-97
Elongation at Break @ Machine Direction	40	%	MV 010 / ASTM D882-97
Dimensional Changes @ 80 °C			
- Machine Direction	< 1	%	MV 009
- Transverse Direction	< 1	%	MV 009

Lydall Filtration/Separation SAS (Europe, Middle East & Africa Sales): Saint Rivalain, France, +33 (0) 2 97 28 5300

Lydall Solutech B.V.: Eisterweg 4, 6422 PN Heerlen, The Netherlands, +31 (0) 45 751 5212

E-mail: [info\\_solupor@lydall.com](mailto:info_solupor@lydall.com) -or- [info@lydall.com](mailto:info@lydall.com)

Web: [www.solupor.com](http://www.solupor.com) – or – [www.lydallfiltration.com](http://www.lydallfiltration.com)

All data and statements concerning these products may be considered as being indicative of representative properties and characteristics obtainable. We make no warranty, express or implied, concerning actual use or results because of industry specific influences.. SOLUPOR<sup>®</sup> is a trademark of Lydall Solutech BV.