



# 3M™ Membrana™ PLASMAPHAN™ Capillary Membrane, Type P1 LX

## Chemical Composition

Polymer	Polypropylene
Residual oil content	≤ 100 ppm

## Physical Properties

Wall thickness	m 150 µm d ± 25 µm
Inner diameter (nominal)	m 330 µm d ± 50 µm
Tensile strength	≥ 60 cN
Elongation at break	≥ 60 %

## Membrane Performance Characteristics

Transmembrane flow (Isopropylalcohol, 37°C)	m 9.3 ml/[min x cm <sup>2</sup> x bar] d ± 2.3 ml/[min x cm <sup>2</sup> x bar]
Maximum pore size (calculated from BP)	m 0.47 µm d +0.07/-0.06 µm
Bubble point (Isopropylalcohol, 23°C)	m 1.31 bar d +0.19/-0.18 bar

## Available Make-up Configurations

Bundles (customer specified)
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All specifications are based on 3M internal test procedures and represent average lot performance.

m = mean value  
d = deviation of the mean value

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