

## Capillary membrane

**MF-PP Q3/1 capillary membrane**

Product name: Thermo Scientific™ MF-PP Q3/1 Capillary Membrane

**Chemical composition**

|                      |               |
|----------------------|---------------|
| Polymer              | Polypropylene |
| Residual oil content | ≤ 200 ppm     |
| Wetting property     | Hydrophobic   |

**Physical properties**

|                |                                 |
|----------------|---------------------------------|
| Wall thickness | 200 ± 35 µm<br>(7.9 ± 1.4 mil)  |
| Inner diameter | 600 ± 90 µm<br>(23.6 ± 3.5 mil) |

**Membrane performance characteristics**

|                                              |                                                                                                                      |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Bubble point (in isopropyl alcohol, 23°C)    | ≥ 1.36 bar<br>(≥ 19.7 psi)                                                                                           |
| Transmembrane flow (isopropyl alcohol, 23°C) | ≥ 2.1 ml/(min cm <sup>2</sup> bar)<br>(≥ 134.5 ml/(min ft <sup>2</sup> bar))<br>(≥ 0.9 ml/(min in <sup>2</sup> bar)) |

**Available make up configurations****Bundles** (customer specified)

All specifications are based on internal Thermo Fisher Scientific test procedures.

**Intended Use:** The MF-PP Q3/1 capillary membrane are intended for use by OEMS for the manufacture of cartridges and filters. These products may be used for liquid filtration, degassing of liquids or introduction of gases in liquids. Typical applications include industrial processes, chemical processes, automotive industry, food and beverage and sterile filtration. Since there are many factors that can affect a product's use, the customer and user remain responsible for determining whether the Thermo Scientific product is suitable and appropriate for the user's specific application, including user conducting an appropriate risk assessment and evaluating the Thermo Scientific product in user's application for safety, regulatory compliance, performance and any other requirements.

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