

# 3M™ Capillary Membrane MF-PP Series, Type 150/330

Chemical Composition	
Polymer	Polypropylene
Residual oil content	≤ 100 ppm
Wetting property	Hydrophobic

  

Physical Properties	
Wall thickness	150 ± 25 µm (5.9 ± 1.0 mil)
Inner diameter	330 µm ± 50 µm (13.0 mil ± 2.0 mil)
Tensile strength	≥ 60 cN
Elongation at break	≥ 70%

  

Bubble point (in isopropyl alcohol, 23 °C)	≥ 1.1 bar (≥ 16 psi)
Transmembrane flow (isopropyl alcohol, 23 °C)	≥ 7.5 ml/(min cm² bar) (≥ 480.41 ml/(min ft² psi)) (≥ 3.34ml/(min in² psi))

  

Available Make-up Configurations	
Bundles (customer specified)	

All specifications are based on 3M internal test procedures.

**Technical Information:** The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third-party intellectual property rights is granted or implied with this information.

**Product Selection and Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product, conducting appropriate risk assessments, and determining whether it is fit for a particular purpose and suitable for user's method of application.

**Warranty, Limited Remedy, and Disclaimer:** Unless a different warranty is expressly identified on the applicable 3M product literature or packaging (in which case such express warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

**Limitation of Liability:** Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

3M and Membrana are trademarks of 3M Company. © 2024 3M Company. All rights reserved.