

Medical blood oxygenation membrane

Membrana OXYPHAN PP 50/280 capillary membrane**Product name: Thermo Scientific™ Membrana™ OXYPHAN™ PP 50/280 Capillary Membrane**

Chemical composition	
Polymer	Polypropylene
Solvent residues	≤ 100 ppm
Physical properties	
Wall thickness	50 ± 10 µm
Outer diameter	380 ± 20/-15 µm
Inner diameter (nominal)	280 ± 40/-35 µm
Maximum pore size (calculated from BP)	≤ 0.2 µm
Bubble point (Isopropylalcohol, 23°C)	≥ 3.0 bar
Tensile strength	≥ 150 cN
Elongation at break	≥ 400%
Explosion pressure	≥ 3.0 bar
Implosion pressure	≥ 3.5 bar
Membrane performance characteristics	
Nitrogen flux	75 ± 30 ml/[min x cm ² x bar]
Available make up configurations	
Single-thread spools	

All specifications are based on Thermo Fisher Scientific internal test procedures and represent average lot performance.

Intended Use: Membrana OXYPHAN PP 50/280 capillary membranes are gas exchange membranes which are intended as precursor products for the production of oxygenators. Oxygenators are medical devices intended for use in blood oxygenation. Thermo Fisher supplies oxygenation membranes in the form of capillaries and knitted mats to oxygenator manufacturers in accordance with specifications and technical product references. 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.

Restrictions on Use: Thermo Fisher advises against the use of these Thermo Scientific products in any application other than the stated intended use(s), since other applications have not been evaluated by Thermo Fisher and may result in an unsafe or unintended condition.

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

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

Thermo Fisher Scientific BPG GmbH

Oehder Strasse 28

42289 Wuppertal, Germany

 For more information contact your Thermo Fisher Scientific sales representative or visit thermofisher.com/membranesforem

thermo scientific