

Medical blood oxygenation membrane

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

Chemical composition	
Polymer	Polypropylene
Solvent residues	≤ 100 ppm
Physical properties	
Wall thickness	50 ± 10 µm
Outer diameter	380 ± 20 µm
Inner diameter (nominal)	280 ± 40 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 layer mats or cross-wound mats	

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 mat 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.

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