

Medical blood oxygenation membrane

Membrana OXYPLUS 90/200 capillary membrane

Product name: Thermo Scientific™ Membrana™ OXYPLUS™ 90/200 Capillary Membrane

Chemical composition	
Polymer	Polymethylpentene
Solvent residues	≤ 100 ppm
Physical properties	
Wall thickness	90 ±10 µm
Outer diameter	380 ±30 µm
Inner diameter	200 ±50 µm
Tensile strength	≥ 60 cN
Elongation at break	≥ 60%
Porosity	≥ 50%
Explosion pressure	≥ 2.0 bar
Implosion pressure	≥ 3.5 bar

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

Membrane performance characteristics	
Nitrogen flux	0.2 - 2 ml/[min x cm ² x bar]
Available make-up configurations	
Single-thread spools	
Single layer mats or cross-wound mats	

Intended Use: Membrana OXYPLUS 90/200 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.

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