

Medical blood oxygenation membrane

Membrana X30/150 oxygenation membrane

Product name: Thermo Scientific™ Membrana™ X30/150 Oxygenation Membrane

Chemical composition	
Polymer	Polypropylene
Physical properties	
Wall thickness	20 - 26 µm
Outer diameter	198 ± 5 µm
Inner diameter	152 ± 11 µm
Outer diameter shape ratio	≤ 1.2
Bubble point	≥ 160 psi
Tensile break strength	≥ 100 g/fil
Elongation at break	≥ 50%
Shrinkage, axial direction (unrestrained)	≤ 5%
Membrane performance characteristics	
Resistance to air flow	35 – 95 Gurley sec.
Available make-up configurations	
Six filament spools	
Undistorted and distorted single layer mats	

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

Intended Use: Membrana X30/150 oxygenation 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 for safety, regulatory compliance, performance and any other requirements.

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