

Medical blood oxygenation membrane

Membrana X30/230 capillary membrane

Model: X30-230**Product type:** Oxygenation Membrane**Description:** Thermo Scientific™ Membrana™ X30/230 Capillary Membranes are hydrophobic and designed for gas exchange in medical oxygenators.**Available make-up configurations:** Six filament spool

Performance

Parameter	Value
Resistance to air flow	25-45 Gurley sec.
Bubble point	≥ 160 psi

Materials of construction

Polypropylene

Physical properties

Parameter	Value
Wall thickness	$31 \pm 2 \mu\text{m}$
Outer diameter	$294 \pm 5 \mu\text{m}$
Inner diameter	$233 \pm 9 \mu\text{m}$
Outer diameter shape ratio	≤ 1.17
Tensile break strength	≥ 175 g/in
Elongation at break	$\geq 50\%$
Shrinkage, axial direction (unrestrained)	$\leq 3.5\%$

All specifications are based on Thermo Fisher Scientific internal test procedures.

Intended Use: The Membrana X30/230 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 for safety, regulatory compliance, performance and any other requirements.

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