

Medical temperature management capillary

Membrana HEXPET 60/480 capillary

Product name: Thermo Scientific™ Membrana™ HEXPET™ 60/480 Capillary**Chemical composition**

Polymer	Polyethylenterephthalat (PET)
---------	-------------------------------

Physical properties

Wall thickness	60 ± 10 µm
----------------	------------

Outer diameter	600 ± 50 µm
----------------	-------------

Inner diameter	480 ± 70 µm
----------------	-------------

Tensile strength	≥ 300 cN
------------------	----------

Elongation at break	≥ 100%
---------------------	--------

Explosion pressure	≥ 6 bar
--------------------	---------

Implosion pressure	≥ 2 bar
--------------------	---------

Thermal conductivity [W/°Cm] *	≥ 0.2
--------------------------------	-------

*value based on literature: Domininghaus, H. "Die Kunststoffe und ihre Eigenschaften, Auflage vol. 5." Springer-Verlag Berlin Heidelberg- VDI Buch 2005.

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 HEXPET 60/480 capillary is a transparent capillary which intended to be used as precursor for the production of blood heat-exchanger for oxygenators. Oxygenators are medical devices intended for use in blood oxygenation. Thermo Fisher supplies HEXPET capillaries in the form of 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.

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