

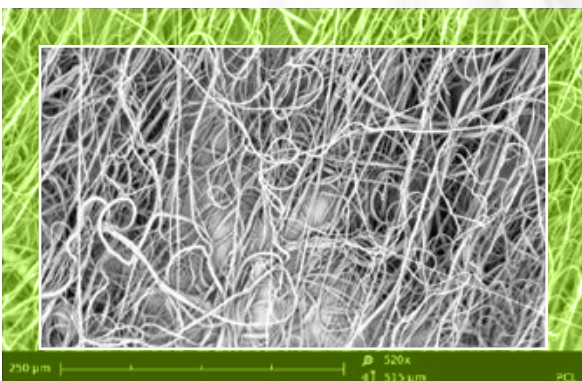
PCL

NnF MBRANE® – PCL (Polycaprolactone)

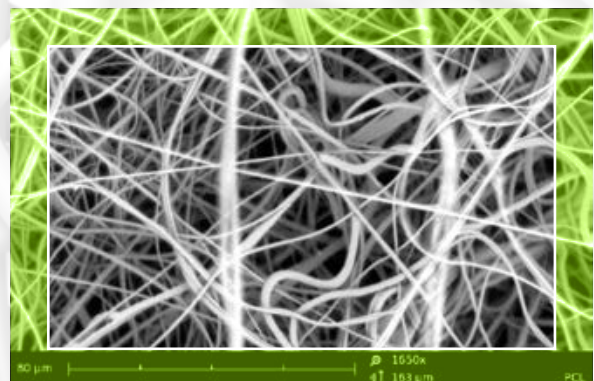
Product description

NnF MBRANE® – PCL (Polycaprolactone) is a novel kind of nanofibrous material produced by industrial technology operated by **PARDAM, s.r.o.** in the Czech Republic. Polycaprolactone nanofibers are exclusive biomedicine polymeric material, which can be produced as a nanofibrous layer, or in 3D cotton-like structure. It is a biocompatible biodegradable material, which can be used for nanofiber scaffolds or as implantable material with targeted degradation in vivo or as a cell-growth media in vitro. The higher surface area of nanofibers leads to better cellular attachment and easier growth of cells.

Images



SEM image, magnification: 520x



SEM image, magnification: 1650x

Physical properties

■ Physical form and structure



Polycaprolactone nanofibers in 3D cotton-like structure and nanofibrous layer

Material characteristics

fiber structure	randomly oriented
typical fiber diameter	400-800 nm
fiber length	continuous
physical form	layer or 3D structure
grammage	0.5-5 g/m²
air permeability	breathable
width of the roll	max. 0,8 m
maximum length of the roll	2000 m
melting point	60 °C
vicat softening point	N/A

Biodegradable | Breathable | Medically proved | Living cells compatible | 3D structure | Soft

Please feel free to contact us for more information.

Applications

Cell culture growing media | Implantable material | Biodegradable scaffolds | Stents

Important notice for purchaser

All statements, technical information and recommendations contained in this document are based on tests conducted by PARDAM's R&D team and its approved equipment and are believed to be reliable. However the accuracy or completeness of the tests is not guaranteed. THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. The manufacturer's and seller's only obligation will be to replace the quantity of the product proved to be defective. Neither the seller nor the manufacturer will be liable for any injury, loss or damage, direct, indirect or consequential, arising out of the use of the product. Before using, the user must determine the suitability of the product for their intended use.



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