

pleated cartridges

Nylon Membrane

Absolute rated

Integrity testable

Validated Performance

Highly Hydrophilic

Wide Chemical compatibility

Traceability

Consistent Performance

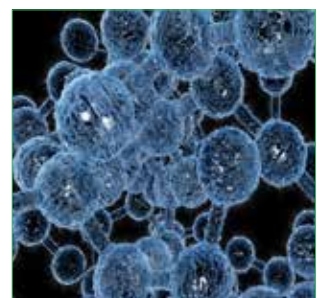


MICROLON
Nylon Membrane



Nylon Media Filter

INJECTABLE | PHARMA | BIOTECH | BEVERAGES



www.microfiltindia.com

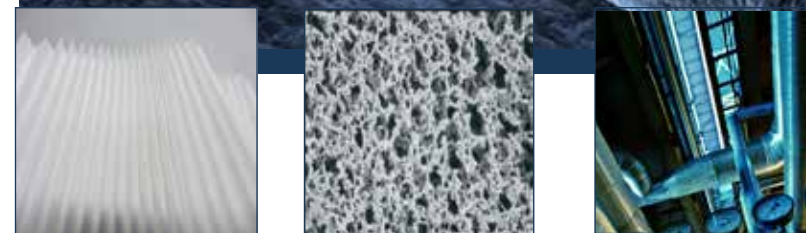
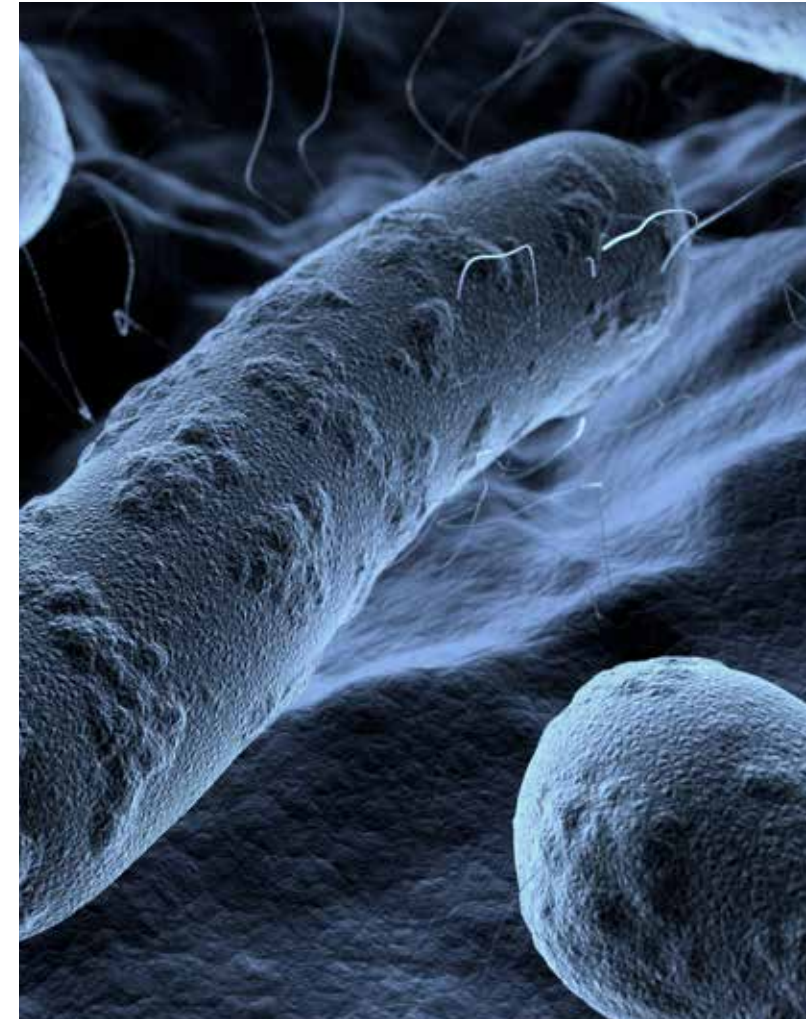
sterilizing grade



MICROLON Nylon membrane pleated filter cartridges provide superior removal efficiency, yielding the cleanest process fluids in a variety of sterile and fine filtration applications. Inherent hydrophilic nylon membranes ensure no pre-wetting requirement and are conveniently ready to use. With broad chemical compatibility and excellent temperature endurance, these cartridges are ideal options to satisfy various Chemical, Pharmaceutical and Food and Beverage filtration processes. MICROLON is an absolute rated Nylon membrane filter designed for removal of microorganisms and particles in aqueous liquids and solvents. Nylon asymmetric membrane provides absolute retention with superior flow rates and extended service life.

Features and Benefits

Inert Nylon and Polypropylene components	Provides extremely wide chemical compatibility and permits in a broad range of fluids and applications
Media in multiple microbial retention ratings	Consistent filtration quality, targeted microbial stabilization of beverages and ingredients
Highly porous Nylon membrane	Assure high flow rates, long service life and maximum chemical resistance with minimum extractable.
Inherently hydrophilic membrane	Easy to wet and integrity testable in water
Rugged thermally bonded construction	Ensures reliable integrity under harsh process conditions and withstands multiple steam sterilizations
Biologically inert and Non toxic	Meets FDA requirements, bio safety compliance with USP class VI biological reactivity test passes
High pleated area, robust membrane construction	Enables economical installations & energy savings due to high flow rates and low pressure drops.
Variety of seal configurations	Allow retrofit in many filter vessel design



Material of Construction	
Filter Media	Nylon Membrane
Support Layer	Polypropylene
Core / Cage / End Caps	Polypropylene
O-Rings	Refer Ordering Guide

Micron Rating	
Microns (μ)	0.2 0.45 0.65 1.2

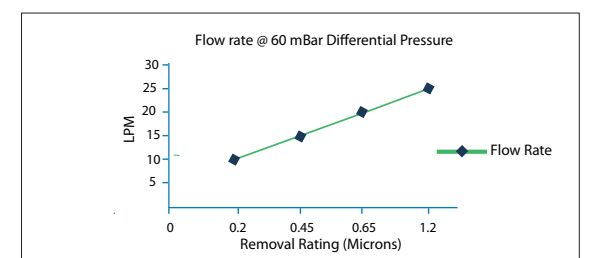
Standard Sizes (Nominal)	
inches	10, 20, 30, 40

Outside Diameter (Nominal)	
inches	2.75

Inner Diameter (Nominal)	
inches	1.1

Filtration Area / 10" cartridge (Nominal)	
m²	0.60

Operating Parameters	
Temperature °C / °F [Max]	80 / 176
Pressure [Max] Bar / psi	4 / 58 @ 60°C 2.4 / 34.8 @ 82°C
Steam Sterilization °C [Max]	121 / 30 mins



- Absolute Rated
- Pleated Cartridge
- 100% Integrity Tested
- WFI Flushed
- Steam Sterilizable
- Sterile Application
- Nylon Membrane

BIOFILT

Serum Products, Fermentation Broth, Buffer Solution, Sterile Filtration (Final Product)

CHEMFILT

Highly Conc. Acids & Bases, Petrochemicals, Gases

BEVFILT

Wine, Fruit Juice, Beer

LIFEFILT

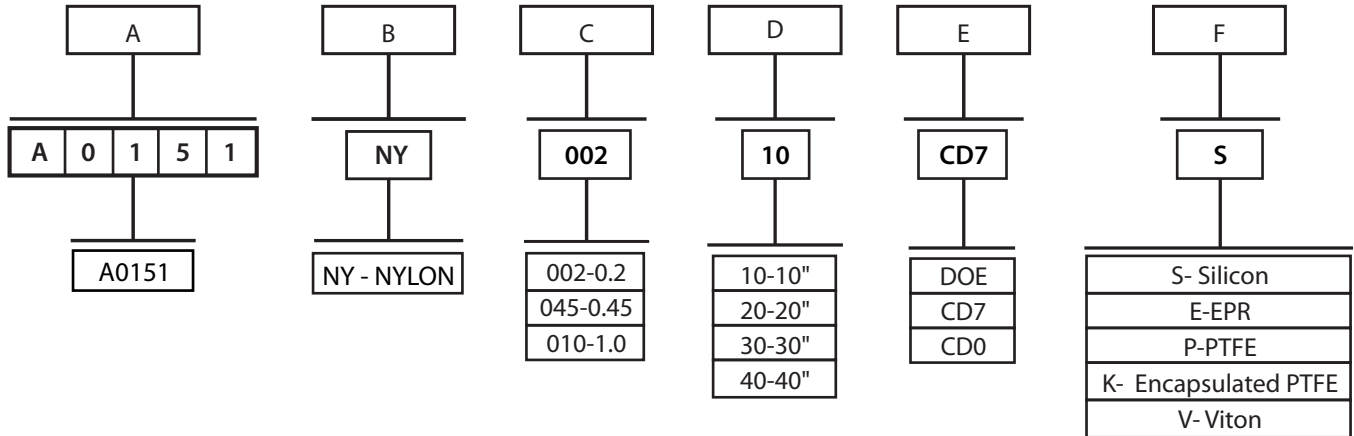
Cosmetics, Fragrances

WATERFILT

Water Purification

ORDERING GUIDE

MICROLON FILTER MEDIA



A - Product Code
B - MOC of filter media
C - Grade/ Micron Rating
D - Configuration(Length/Size)
E - End Connection
F - Sealing Elastomer



www.microfiltindia.com

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Note: Specifications and dimensions may change. Please check with us before ordering.