filter depth filter

High Performance

Wide Compatibility

High dirt holding

Wide ranges

Increased Life

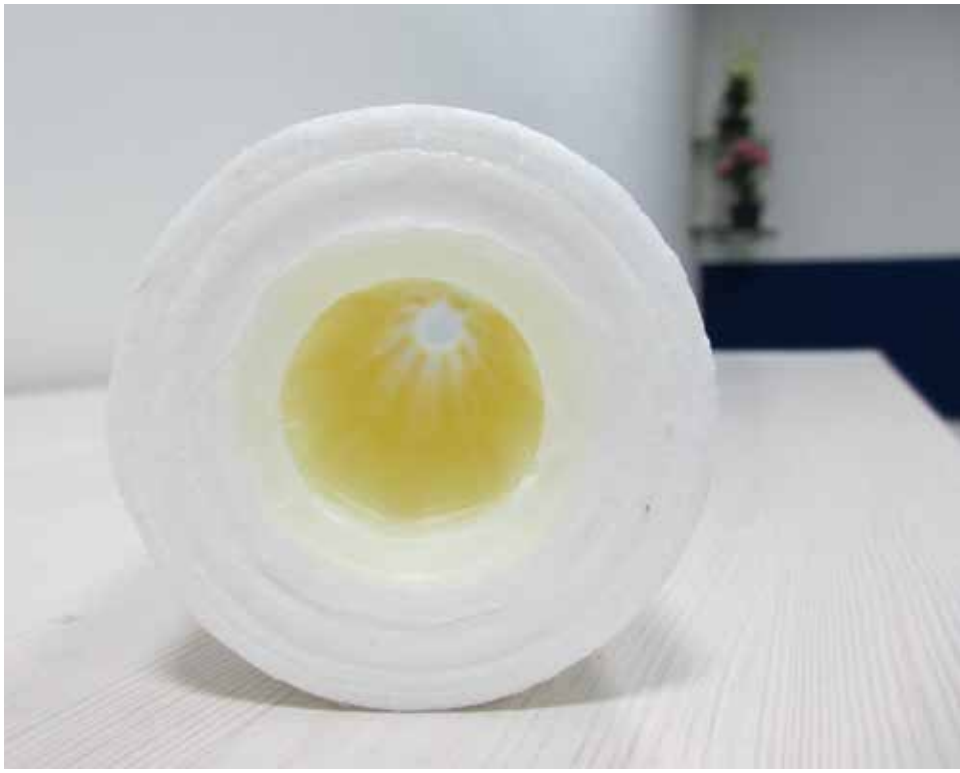
Consistent Performance

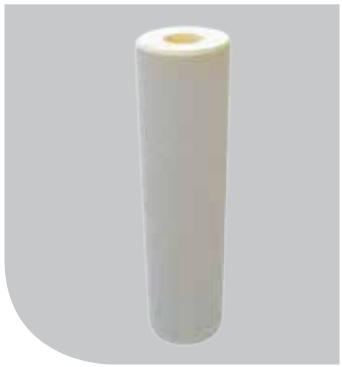
Cost Effective

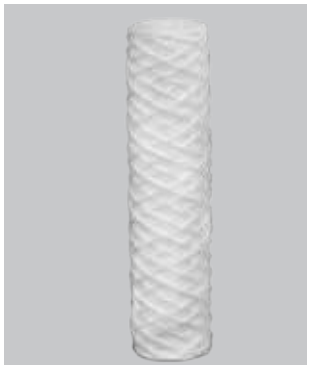
MICROFILT
...we solve

DEPTH FILTERS

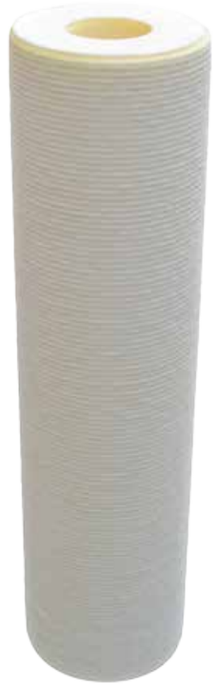
High Dirt Loading







CHEMICAL | PHARMA | BIOTECH | FOOD & BEVERAGES



MICROPOLY-TBD

CODE: A0041

- Thermally bonded
- Rigid filter matrix
- Stable porosity matrix
- No media migration
- Consistent filtration
- High dirt holding

MICROPOLY-TBD filter cartridges are manufactured using a unique technology using thermally bonded component fibers resulting in a rigid complex filter matrix. The unique fiber-to-fiber bond forms a very rigid, stable porosity matrix, thereby eliminating the need for a support core. The patented construction of this filter cartridge provides consistent filtration and eliminates pore size variability and media migration. The rigid construction also provides a three dimensional fiber network that offers a high tolerance to differential pressures. This unique feature also prevents changes in the fiber matrix throughout the life of the filter providing for precise filtration and eliminating filter unloading.

Micron Rating	
Microns (µ)	*1, 5, 8, 10, 20, 25, 30, 40, 50, 75*
OD / ID (Nominal)	
inch	2.75 / 1.1
Standard Sizes (Nominal)	
inch	*10, 20, 30, 40*
Filtration Area / 10" cartridge (Nominal)	
m^2	*0.2*
Filter Media	
Polypropylene | Polyester	

Thermally Bonded

MICROREBO-D

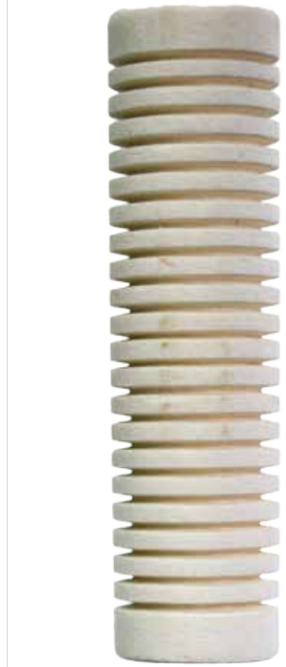
CODE: A0011

- Thermally bonded
- Consistent particle removal
- Broad chemical compatibility
- High temperature resistant
- Consistent filtration
- High dirt holding

MICROREBO-D cartridge has been developed by 'intrinsically bonding cellulose fibers' together with a pure resin. By cross-linking cellulose and resin, a filter of great strength has been developed that can be used with most liquids and chemicals. By treating the fibers in this manner ,a stronger cartridge that is less subjected to collapse than any wound or pleated cartridges, is assured. This exclusive resin bonded manufacturing process produces a rigid, resin bonded, graded porosity structure that eliminates by-pass and the unloading characteristics of soft and easily deformable, filter cartridges.

Micron Rating	
Microns (µ)	*1,3,5, 10,25,50,75,100,125,150*
OD / ID (Nominal)	
inch	*2.75 / 1.1*
Standard Sizes (Nominal)	
inch	*10, 20, 30, 40*
Filtration Area / 10" cartridge (Nominal)	
m^2	*0.2*
Filter Media	
Acrylic-Phenolic | Cellulose- Melamine	

Cellulose / Acrylic



MICROPOLY-WD

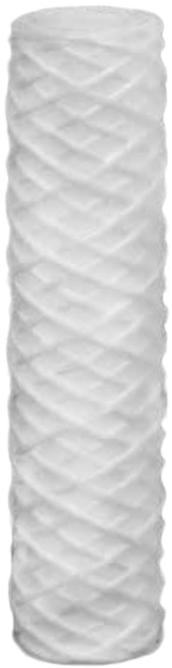
CODE: A0033

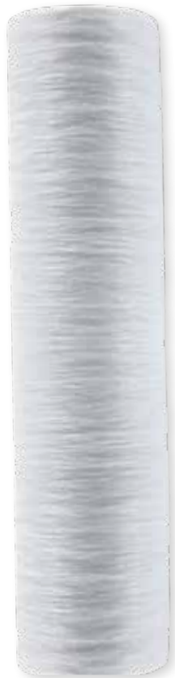
- Wound filter media
- Rigidcore
- Precision winding technology
- No media migration
- Full depth filtration
- High dirt holding

MICROPOLY-WD Filter Cartridges are made from high quality, FDA compliant polypropylene filter media, wound to precision requirements. This ensures a filter cartridge with full-depth contaminant holding characteristics. Unlike low cost, low performance melt-blown and fiber cartridges, MICROPOLY-WD cartridges are manufactured on a rigid core which makes them rugged. They can hold more contaminants resulting in fewer filter changes. Thereby providing a a very low cost of filtration option.

Micron Rating	
Microns (µ)	*0.5,1,3,5,10,25,50,75,100,150,200,300*
OD / ID (Nominal)	
inch	*2.75 / 1.1*
Standard Sizes (Nominal)	
inch	*10, 20, 30, 40*
Filtration Area / 10" cartridge (Nominal)	
m^2	*0.2*
Filter Media	
Polypropylene | Polyester	

Precision Wound





MICROPOLY-MBD

CODE: A0036

- Thermally bonded
- Rigid filter matrix
- Stable porosity matrix
- Precise filtration
- Consistent filtration
- High dirt holding

MICROPOLY-MBD spun bond Depth filter Cartridges are made of 100% polypropylene with no additives or surfactants used that can cause foaming or other undesirable effects to the filtrate quality. With true graded density construction these cartridges have the highest dirt holding capacity possible. Melt blowing (MB) is a process for producing fibrous webs or articles directly from polymers using high-velocity air or another appropriate force to attenuate the filaments. This technology is used to obtain a continuously graded pore structure to provide both pre-filtration and final-filtration.

Micron Rating	
Microns (µ)	*0.5, 1, 3, 5, 10, 15, 20, 30, 50, 75*
OD / ID (Nominal)	
inch	*2.75 / 1.1*
Standard Sizes (Nominal)	
inch	*10, 20, 30, 40*
Filtration Area / 10" cartridge (Nominal)	
m^2	*0.2*
Filter Media	
Polypropylene | Polyester	

PP | Polyester

MICROFILT
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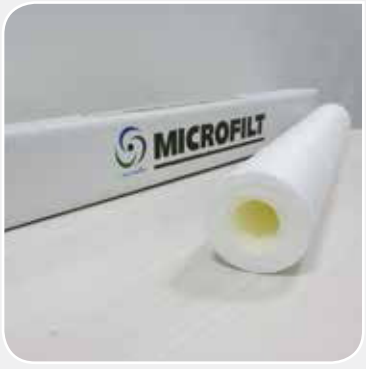
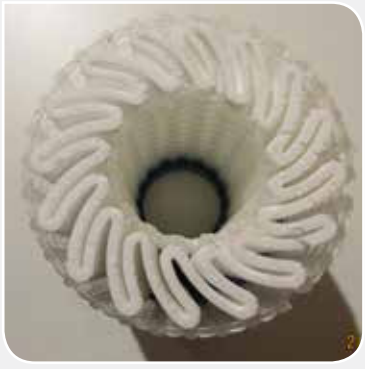
ORDERING GUIDE

DEPTH FILTER MEDIA

A	B	C	D	F
A 0 0 1 1	PP	10	10	N
A0011- MICROREBO-RBD A0033- MICROPOLY-PWD A0036- MICROPOLY-MBD A0041- MICROPOLY-TBD	RB- Resin Bonded PP- Polypropelene	010-01 050-05 100-10 200-20 300-30 400-40 500-50	10-10" 20-20" 30-30" 40-40"	N- No Sealing

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





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