


NANOFINE-PURE

TPR Type

Major Applications

Various solutions

Binder, dye inks, Resin dope, Resist, Organic solvent, etc.

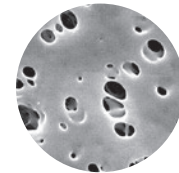
Features

- Our unique nylon nano fiber filter media
- Uniform pore size distribution compared to polypropylene non-woven fabric
- Higher porosity and surface porosity than membranes
- 100% integrity tested
- 100% flushing before shipment

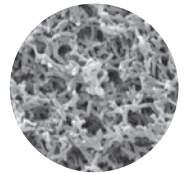
Advantages

- Excellent chemical compatibility
- Equivalent removal performance to membranes
- Excellent differential pressure vs. flow rate
- High reliability
- Reduction of fiber release

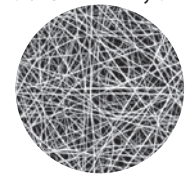
Structure



PES membrane



Nylon membrane



Nylon nanofiber (TPR-002)

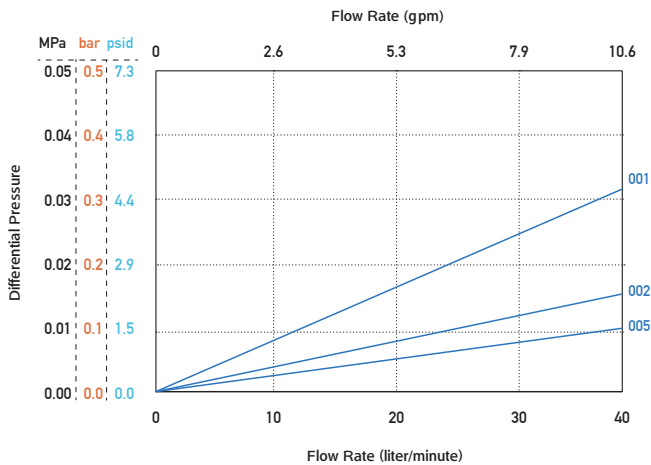
Specifications

		001	002	005
Grades		001	002	005
Micron Ratings (μm)		0.1	0.2	0.45
E.F.A. ($\text{m}^2/250\text{mm}$)		0.51	0.41	0.41
Media		Nylon		
Materials	Core/Cage/Support	Polypropylene		
	End Cap	Polypropylene		
	Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)		
	Maximum Operating Temp	80°C (176°F)		
	Length	125 / 250 / 500 / 750 mm		
Dimensions	O.D.	70.0mm		
	I. D.	26.1 (for F) / 25.6 (for 0.5) / 30.0 (for 7) mm		

*If you need further information on specifications (length, end cap type, etc.), please contact us.

Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



Particle Removal Efficiency

PSL Particle Size (μm)	Particle Removal Efficiency (%)		
	001	002	005
0.152	>99.9		
0.216		>99.9	
0.474			>99.9

Test Conditions

Equipment : UV absorptiometer
 Filtration : Suction filtration
 Fluid : Ultra-pure water
 Dust : Polystyrene latex (PSL)
 Conc. : 0.01wt%

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
250 L	-TPR-	001	S	0	C
125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm		001 = 0.1 μm 002 = 0.2 μm 005 = 0.45 μm	S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM (for 0, 5, 7) PTFE (for F)	F = Flat Gaskets 0 = 2-222 O-Ring 5 = 2-222 O-Ring + Fin 7 = 2-226 O-Ring + Fin	A = 1pc B = 6pcs C = 10pcs F = 25pcs

End Cap Code



*The contents of the catalog are subject to change without notice.

*The performance data listed in the catalog are Typical values obtained under specific conditions based on our tests.

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Manufacturing is based on our Quality Management Systems that meet ISO9001 standards.

Scope
 Design, Development, manufacture, and sales of filter cartridges, housings and filtration equipment.



JQA-QMA16323

MS CMO09

12th Issue
 TPR200722E