

BEAMESH Monofilament Filter bags

- Micron ratings from 5 to 1000 µm
- Materials suitable for contact with food according to (EC) and (EU) regulations
- Materials in accordance with FDA-CFR21
- Flamed outer surface to prevent fiber release
- Choice of metal ring tops or molded tops
- Handles on all bags for an easy use
- Special features and materials available



BEAMESH filter bags incorporate filter media made of synthetic filaments (nylon, polypropylene, polyester) woven into a mesh. This filter media structure is particularly suitable for coarse filtration, also allowing for easy bag regeneration.

The filter media of bags with micrometers smaller than 100µm are also reinforced at the seams to prevent contaminants from passing through them.

The availability of a variety of materials ensures good chemical compatibility and the resulting possibility of use in various industrial applications.

CHEMICAL COMPATIBILITY

	Polypropylene	Polyester	Nylon
Alkaline substances	+++	-	+++
Acidic substances	+++	+++	-
Oxidants	-	+++	+
Solvents	+	++	++

OPERATING CONDITIONS

- max. continuous temperature	90°C Polypropylene / 140°C Polyester / 120°C Nylon ***
- max. differential pressure	2,4 bar at 25°C
- recommended pressure drop for changeover	1,5 bar at 25 °C
- max. flow rate (for size 1)	20 m³/h

*** Note: The temperatures shown refer to the metal ring; for the plastic ring, do not exceed 90°C.

CONVERSION FACTORS FOR CALCULATING CAPACITY AND BAG SIZES

Size	Corrective factor
1	1
2	1,7
3	0,31
4	0,46

BAG SIZES	DIAMETER mm	LENGTH mm	VOLUME Litri	FILTRATION RATING cm²
1	180	450	10	2600
2	180	820	19	4400
3	107	230	1,2	800
4	107	385	2,8	1200

BEAMESH ORDERING INFORMATION

NMO - **100** - **P** - **2** - **POL** - **SBC**

MATERIAL	CODE
Nylon	NMO
Polypropylene	PMO
Polyester	PEMO

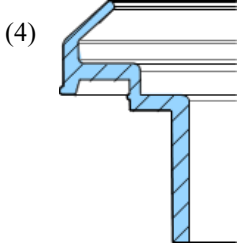
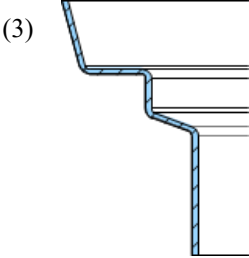
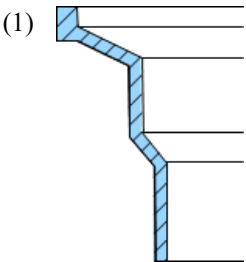
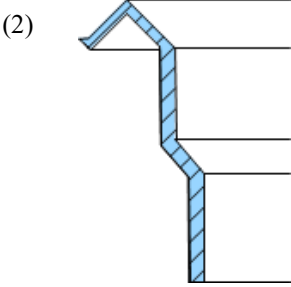
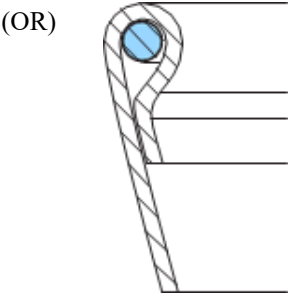
CODE	RING PROFILE
Blank	(OR) for S and S-SS (2) for POL and PEL
1	For POL, PEL and SAN
3	For POL
4	For POL, PEL and SAN

TYPE	MICROMETER AVAILABLE
NMO	1-5-10-25-50-75-100-125-150-175-200-250-300-350-400-500-600-800-1000-1500
PMO	100-200-300-500-1000
PEMO	5-10-25-50-75-100-200-400-600-1000

CODE	O-RING TYPE
S	Galvanized steel
S-SS	Stainless steel
POL	Polypropylene
PEL	Polyester
SAN	Santoprene

CODE	BAG SIZE
1	180 X 450
2	180 X 820
3	107 X 230
4	107 X 385

RING PROFILES



FLOW RATE

		MICROMETRY (μ)		
		200-300	300-600	600-1000
VISCOSITY(cP)	20			
	30			
	40			
	60			
	80			
	100			
	200			
	400	15,8	20,1	
	500	11,2	14,8	21,4
	800	8,2	11,2	15,8
	1000	6,9	8,9	13,2
	1500	4,9	5,9	8,9
	2000	4	5,3	7,2
	4000	2,5	3,3	4,9
	6000	1,7	2,2	3,3
	8000	1,2	1,6	2,4
	10000	1,1	1,4	2,1
	Optimal			
	Discreet			
	Rare			
	Inappropriate			

The table shows the values of optimal flow rate, in m³/h, for SIZE 1 with pressure drop of 100 mbar.
For other size it is necessary to multiply the values for the corrective factors show in the table of page 1

Data contained in this bulletin are informative and subject to change without notice.
User is responsible for determining whether the product is fit for particular purpose and suitable for
User's method of application.