

Мембраны, диски, плитки, стержни N1616, N1617, N1690, N1565, N1505, N1530, N1674

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BOLA Filtering Tiles

Material: **PTFE** Temperature resistance: **from -200°C to +250°C** Chemical resistance: **+++ universal**

FDA conform

Product description:

Made of microporous PTFE, standard tiles with dimensions of 320 x 320 mm for cutting or stamping.

Pore size µm	Thickness mm	Cat. No.:
5	1	N 1610-10
10	1	N 1616-10
10	2	N 1616-20
10	3	N 1616-30



BOLA Filtering Sheets

Material: **PTFE** Temperature resistance: **from -200°C to +250°C** Chemical resistance: **+++ universal**

FDA conform

Product description:

Made of porous PTFE, width approx. 150 mm x length 300 mm.

Pore size µm	Thickness mm	Cat. No.:
0,05	0,2	N 1617-02
0,20	0,2	N 1617-04
0,45	0,2	N 1617-06
1,00	0,2	N 1617-10
1,00	1,0	N 1617-15
2,50	0,2	N 1617-20
2,50	1,0	N 1617-25
5,00	0,2	N 1617-30
5,00	1,0	N 1617-35
10,00	0,2	N 1617-40
10,00	1,0	N 1617-45
25,00	1,0	N 1617-55



Applications:

Suitable for cutting and blanking. A reduction of stability and mechanical load capacity has to be observed when processing materials with larger pore sizes.



BOLA **Filtering Membranes**Material:
PTFETemperature resistance:
from -200°C to +250°CChemical resistance:
+++ universal**FDA** conform

Product description:

Made of microporous PTFE, thickness 0,2 mm, packing unit: 10 pieces

Dia. of membrane mm	Pore size µm	Filtration surface mm ²	Cat. No.:
13	0,05	132	N 1690-08
13	0,20	132	N 1690-12
13	0,45	132	N 1690-16
13	5,00	132	N 1690-24
25	0,05	490	N 1690-28
25	0,20	490	N 1690-32
25	0,45	490	N 1690-36
25	5,00	490	N 1690-44
47	0,05	1.735	N 1690-48
47	0,20	1.735	N 1690-52
47	0,45	1.735	N 1690-56
47	1,00	1.735	N 1690-60
47	5,00	1.735	N 1690-64
47	10,00	1.735	N 1690-65
90	1,00	6.362	N 1690-80
90	5,00	6.362	N 1690-84

**Flow rate:**

Flow capacity under air pressure of 1 kPa (10 mbar) / water pressure of 100 kPa (1000 mbar) using a PTFE filtering membrane with a diameter of 47 mm and a thickness of 0,2 mm:

Pore size µm	Medium	Flow ml/min.
0,05	air	102
0,05	water	8
0,20	air	230
0,20	water	11
0,45	air	420
0,45	water	13
1,00	air	800
1,00	water	262
5,00	air	2360
5,00	water	868
10,00	air	9845
10,00	water	4723



BOLA Filtering Discs

Material:
PTFE

Temperature resistance:
from -200°C to +250°C

Chemical resistance:
+++ universal

FDA conform

Product description:

Made of porous PTFE, thickness 1,0 mm, packing unit: 10 pieces.

Dia. of membrane mm	Pore size µm	Filtration surface mm ²	Cat. No.:
47	1,0	1.735	N 1565-06
47	5,0	1.735	N 1565-12
47	10,0	1.735	N 1565-18
47	25,0	1.735	N 1565-24



Flow rate:

Flow capacity under air pressure of 1 kPa (10 mbar) / water pressure of 100 kPa (1000 mbar) using a PTFE filtering disc with a diameter of 47 mm and a thickness of 1,0 mm:

Pore size µm	Medium	Flow ml/min.
1,00	air	101
1,00	water	14
5,0	air	311
5,0	water	60
10,0	air	981
10,0	water	568
25,0	air	2997
25,0	water	1996

BOLA Filtering Rods

Material:
PTFE

Temperature resistance:
from -200°C to +250°C

Chemical resistance:
+++ universal

FDA conform

Product description:

Made of microporous PTFE for further treatment and processing. Diameter and length are nominal dimensions and can contain a machining tolerance.

Pore size µm	Dia. of rod mm	Length mm	Cat. No.:
5	28	100	N 1505-28
5	32	120	N 1505-32
10	28	100	N 1510-28
50	28	100	N 1520-28



BOLA **Filtering Rods**

Material: **PTFE** Temperature resistance: **from -200 °C to +250 °C** Chemical resistance: **+++ universal**

FDA conform

Product description:
Made of porous PTFE, roundly machined cylinder with approximate dia. 40 mm and height approx. 115 mm. Round shape for easier treatment.

Pore size µm			Cat. No.:
1,00			N 1530-05
2,50			N 1530-10
5,00			N 1530-15
10,00			N 1530-20
25,00			N 1530-25
50,00			N 1530-30
100,00			N 1530-35

Applications:
For further treatment by turning, milling or cutting e.g. to become filtering frits. A reduction of stability and mechanical load capacity has to be observed when processing materials with larger pore sizes.





BOLA Dirt Traps

Material: **PTFE** Temperature resistance: **from -200°C to 250°C** Chemical resistance: **+++ universal** Pressure: **10 bar** Vacuum: **suitable**

FDA conform

Product description:

With two threads GL 18 for the connection of hard-walled hoses (e. g. of PTFE, PFA, FEP) or tubes with BOLA laboratory screw joints. Lateral connection with plug for easy exchange of filtering membrane (membrane thickness: 0,2 – 3,0 mm) and for cleaning. The flow direction is marked with an embossed arrow. Completely made of PTFE, the liquid come only in contact with PTFE.

Connection Thread GL	Diameter Filtering Discs mm	Through hole mm	Total height mm	Cat. No.:
18	25	8	88	N 1674-18

Applications:

For further processing through turning, milling or cutting e. g. as filtering frits. With increasing pore size, a decrease in strength and mechanical load capacity can be noted.



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Ideally coordinated laboratory screw joints.

BOLA PRACTICAL TIP Protect Pump

In order to prevent that dirt or loosened particles destruct your pump, just insert a dirt trap in your piping system.





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