

PTFE Membranes

Flontex™ 100

FLONTEX™ 100 PTFE Filter Membranes are used extensively in pharmaceutical, laboratory, medical & semi-conductor processing applications where ultra pure or highly aggressive liquids and gases need to be filtered using inert, non-clogging filter media.



PTFE Membranes are self-supporting so backing liners are not required. Being naturally hydrophobic FLONTEX™100 is an excellent venting material & due to its non-stick quality, exhibits unrivalled filter cake release properties. As standard, our PTFE membranes are supplied as punched discs, however, semi-finished material in roll or sheet form is available on request.

Availability of PTFE Filter Membranes

Supplied in packs of 50.

Type	Ø (mm)
100-1	37, 47, 50
100-2	37, 47, 50
100-3	47
100-4	47
100-5	47

Other diameters available on request. Paper discs are placed between PTFE membranes to ensure cleanliness.

Specification & Properties of PTFE Membranes

Property	Unit	Type				
		100-1	100-2	100-3	100-4	100-5
Functional Pore Size	µm	5-6	4-5	3-4	1-2	1-2
Air Flow 100cc/1.0 In.2/20oz (Gurley test)	Sec	1.7 +/-0.8	2.5 +/-1.5	4-5	5-6	6.5 +/-1.5
Bubble Point (Ethanol)	psi	0.6 +/-0.2	0.8 +/-0.2	1.0 +/-0.2	1.2 +/-0.2	1.2 +/-0.2
Water Flow Rate Through 1 ft.2 @ 13.5 psi	GPM	75 +/-15	55 +/-10	40 +/-10	25 +/-5	20 +/-5
Water Initiation Pressure	psi	2 +/-0.5	3 +/-0.5	4 +/-0.5	6 +/-0.5	6 +/-0.5
Elongation	%	75	75	75	75	75
Pore Volume	%	55	50	45	40	40
Thickness	mm	0.10 +/-0.01	0.15 +/-0.02	0.20 +/-0.05	0.25 +/-0.05	0.38 +/-0.05