

SYNTEX™ MB, SYNTEX™ Nano grades

Properties	Units	Standard grade				Nano grade			
		MPEU08	MPER04	MPEA04	MPEC04S	M09150 [Nano 9]	M06150 [Nano 6]	M03150 [Nano 3]	M02100 [Nano 2]
Mean Fiber Diameter	μm	2	2.3	3.5	4.5	1.5	1.1	0.8	0.6
Basis Weight	gsm	40	20	20	20	15	15	15	10
Thickness @20 gf	mm	0.37	0.21	0.24	0.26	0.16	0.16	0.16	0.10
Air Permeability	cc/cm ² /s	12	31	58	145	12	10	5	5
Maximum Pore Size	μm	16	23	37	79	14	11	5	-
Mean Pore Size	μm	10	14	21	39	7	5.5	3	-
Air Filter Efficiency @ 0.3 μm NaCl, 5.3cm/s	%	99.7	91	81	40	-	-	-	-
Pressure Loss @ 0.3 μm NaCl, 5.3cm/s	Pa	70	24	14	3	-	-	-	-
Liquid Filter Efficiency @ 1.0 μm PSL, 12.5 cm ² test area, 60 gsm	%	-	-	-	-	64	90	99.9	-
Water Flow Rate @ 1.0 μm PSL, 12.5 cm ² test area, 60 gsm	L/min	-	-	-	-	1.2	0.7	0.5	-

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