

FILTER MEDIA SPECIFICATIONS

Code	Media	Weight (g/m ²)	Air Permeability (m ³ /m ² /h)	Filter Class (EN779 / EN1822)	Filter Class (ISO 16890)
CEL	Cellulose Corrugated	130	630	M5	ePM10 %55
8020	Blend (%80 Cellulose / %20 Polyester) Corrugated	115	540	M5	ePM10 %65
8020N9	Blend Corrugated with Nano Coated	115	420	F9	ePM1 %90
8020FRN9	Blend Corrugated with Flame Retardant Nano Coated	135	500	F9	ePM1 %85
8020CINFR9	Blend Carbon Impregnation with Flame Retardant Nano Coated	145	590	F9	ePM1 %90
P160	Polyester	160	940	M5	ePM10 %60-70
P200	Polyester	200	630	M5	ePM10 %65-70
P260	Polyester	260	420	M5	ePM10 %70
P260WOR	Polyester with Water & Oil Repellent	260	420	M5	ePM10 %65-70
P260AS	Alu Coated Polyester	260	420	M5	ePM10 %65-70
P260ASWOR	Alu Coated Polyester with Water & Oil Repellent	260	420	M5	ePM10 %65-70
P240BFR	BICO Polyester with Flame Retardant	240	900	M5	ePM10 %65-75
P240BWORFR	BICO Polyester with Flame Retardant / Water & Oil Repellent	240	900	M5	ePM10 %65-75
P240BPTFE9	BICO Polyester with PTFE Membrane	240	470	F9	ePM1 %95
P240BPTFE11	BICO Polyester with PTFE Membrane	240	290	E11	
P240BPTFE13	BICO Polyester with PTFE Membrane	240	130	H13	
P240BASPTFE13	BICO Alu Coated Polyester with PTFE Membrane	260	110	H13	

FILTER CLASS COMPARISON CHART

ISO16890				EN779				EN1822		ASHRAE 52.2			
Em	Em	Ei	Ea	EN Class	Am	Em	Emin	EN Class	Ei	Merv	Em		
ePM1	ePM2,5	ePM10	Coarse		Synthetic Dust	0,4 µm	0,4 µm		0,08-0,15 µm		0,3-1 µm	1-3 µm	3-10 µm
0,3-1 µm	0,3-2,5 µm	0,3-10 µm	ISO Dust										
			< %50	G1	%50-%65					1			< %20
				G2	%65-%80					2			< %20
			≥ %50	G3	%80-%90					3			< %20
				G4	%90 ≤					4			< %20
										5			< %20
										6			%35 <
		%50		M5		%40-%60				7			%50 ≤
	%50	%70		M6		%60-%80				8		%20 ≤	%70 ≤
										9		%35 ≤	%75 ≤
%50	%65	%80		F7		%80-%90	%35 ≤			10		%50 ≤	%80 ≤
										11	%20 ≤	%65 ≤	%85 ≤
%70	%80	%90		F8		%90-%95	%55 ≤			12	%35 ≤	%80 ≤	%90 ≤
										13	%50 ≤	%85 ≤	%90 ≤
%80				F9		%95 ≤	%70 ≤			14	%75 ≤	%90 ≤	%95 ≤
										15	%85 ≤	%90 ≤	%95 ≤
										16	%95 ≤	%95 ≤	%95 ≤
E: Efficiency Em: Average Efficiency Ei: Initial Efficiency Ed: Discharge Efficiency Em = (Ei+Ed)/2 Ea: Arrestance Efficiency				Am: Average Arrestance Emin: Minimum Efficiency				E10	%85 ≤	MERV Minimum Efficiency Reporting Value Em: Average Particle Size Efficiency EPA Efficiency Particulate Air HEPA High-Efficiency Particulate Air ULPA Ultra-Low Penetration Air			
								E11	%95 ≤				
								E12	%99,5 ≤				
								H13	%99,95 ≤				
								H14	%99,995 ≤				
								U15	%99,9995 ≤				
								U16	%99,99995 ≤				
U17	%99,999995 ≤												