

I.W. Tremont Co., Inc.
 79 Fourth Avenue
 Hawthorne, New Jersey 07506
 Tel: 973-427-3800
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 www.iwtremont.com

ANALYTICAL FILTER MEDIA Microfiberglass

Typical Values

Grade	Binderless		Hydrophobic		Binderless		Hydrophobic		
	A-88	A-83	B-95	B-72	B-84	B-85	C-42	E-13	E-15
Description	<1µm	1µm	1µm	1-2µm	1-2µm	1µm	1-2µm	3-5µm	10-12µm
Basis Weight lbs/3000 ft ²	41.0	45.0	47.0	37.0	37.0	48.0	125.0	58.0	50.0
gms/m ²	66.9	73.4	76.7	60.4	60.4	78.3	204.0	94.7	81.6
Caliper inches	0.013	0.016	0.016	0.013	0.013	0.018	0.045	0.020	0.018
mm	0.33	0.41	0.41	0.32	0.32	0.46	1.14	0.51	0.46
DOP Smoke Penetration 0.3 µm @ 10.5 ft/min	0.0000%	0.001%	0.000%	0.010%	0.010%	0.008%	0.015%	3.0%	36.5%
Air Flow Resistance mm H ₂ O @ 10.5 ft/min	N/A	51.0	52.5	36.0	36.0	37.0	36.0	15.0	5.0
Frazier Permeability ft ³ /min/ft ² @ 0.5" H ₂ O W.G.	-	-	-	-	-	-	-	-	27.0
MD Strip Tensile lbs/in	7.0	3.0	7.0	4.5	4.5	3.0	8.0	8.0	6.0
% Elongation	2.0	2.5	2.0	1.5	1.5	2.5	1.5	1.5	1.5
Mean Pore Size µm	1.5	2.8	2.7	3.6	3.6	3.6	4.3	6.0	13.0
Ignition Loss % Loss	5.0%	0.0%	5.0%	5.0%	5.0%	0.0%	5.0%	5.0%	5.0%
Water Repellency inches H ₂ O	-	-	-	-	-	-	-	-	-

Test Methods

Basis Weight: TAPPI Method T410
 Strip Tensile/Elongation: TAPPI Method T494
 Permeability: ASTM Method F778-82
 DOP Smoke Penetration: ASTM Method D-2986

Caliper: TAPPI Method T411
 Air Flow Resistance: ASTM Method D-2986
 Gurley Stiffness: TAPPI Method T543

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ANALYTICAL FILTER MEDIA One-side Laminated Microfiberglass

Typical Values

Grade	LA-88	LA-95	RG	LB-84	LC-42	LD-23	LE-13
Description				Hydrophobic			
				1-2µm	1-2µm	3-5µm	10-12µm
Basis Weight lbs/3000 ft ² gms/m ²	56.0 91.4	64.0 104.4	54.0 88.1	54.0 88.1	140.0 228.5	75.0 122.4	67.0 109.3
Caliper inches mm	0.016 0.41	0.017 0.43	0.015 0.38	0.015 0.38	0.048 1.22	0.020 0.51	0.018 0.46
DOP Smoke Penetration 0.3 µm @10.5 ft/min	0.0000%	0.000%	0.015%	0.015%	0.010%	3.0%	32.5%
Air Flow Resistance mm H ₂ O @ 10.5 ft/min	N/A	53.0	36.0	36.0	37.0	17.5	5.0
Frazier Permeability ft ³ /min/ft ² @0.5" H ₂ O W.G.	-	-	-	-	-	-	22.0
MD Strip Tensile lbs/in	7.0	7.0	4.5	4.5	8.0	8.0	6.0
Mean Pore Size µm	1.5	2.7	3.3	3.3	4.3	6.0	13.0
Water Repellency inches H ₂ O	-	-	-	20.0	-	-	-

Basis Weight: TAPPI Method T410
 Strip Tensile/Elongation: TAPPI Method T494
 Permeability: ASTM Method F778-82
 DOP Smoke Penetration: ASTM Method D-2986

Caliper: TAPPI Method T411
 Air Flow Resistance: ASTM Method D-2986
 Gurley Stiffness: TAPPI Method T543

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ANALYTICAL FILTER MEDIA

Two-side Laminated Microfiberglass

Typical Values

Grade	LL-82	LL-95	LL-72	LL-84	LL-42	LL-23	LL-13
Description	<1µm	1µm	1-2µm	1-2µm	1-2µm	3-5µm	10-12µm
Basis Weight lbs/3000 ft ² gms/m ²	81.0 132.2	81.0 132.2	71.0 115.9	75.0 122.4	155.0 253.0	92.0 150.1	84.0 137.1
Caliper inches mm	0.018 0.46	0.018 0.46	0.017 0.43	0.017 0.43	0.052 1.32	0.023 0.58	0.022 0.56
DOP Smoke Penetration 0.3 µm @10.5 ft/min	0.000%	0.000%	0.010%	0.015%	0.010%	3.0%	32.5%
Air Flow Resistance mm H ₂ O @ 10.5 ft/min	N/A	54.0	39.0	40.0	40.0	19.0	5.0
Frazier Permeability ft ³ /min/ft ² @0.5" H ₂ O W.G.	-	-	-	-	-	-	22.0
MD Strip Tensile lbs/in	7.0	7.0	4.5	4.5	8.0	8.0	6.0
Mean Pore Size µm	1.5	2.1	3.1	3.1	4.1	5.8	12.8
Water Repellency inches H ₂ O	-	-	-	20.0	-	-	-

Hydrophobic

Basis Weight: TAPPI Method T410
 Strip Tensile/Elongation: TAPPI Method T494
 Permeability: ASTM Method F778-82
 DOP Smoke Penetration: ASTM Method D-2986

Caliper: TAPPI Method T411
 Air Flow Resistance: ASTM Method D-2986
 Gurley Stiffness: TAPPI Method T543