

I.W. Tremont Co., Inc.
 79 Fourth Avenue
 Hawthorne, New Jersey 07506
 Tel: 973-427-3800
 Fax: 973-427-3778
 www.iwtremont.com

ANALYTICAL FILTER MEDIA
Microfiberglass
Typical Values

	A-88	Binderless A-83	B-95	Binderless 934-AH®	B-72	Hydrophobic B-84	Binderless B-85	C-42	D-23	E-13	Hydrophobic E-15
Grade	A-88	A-83	B-95	934-AH®	B-72	B-84	B-85	C-42	D-23	E-13	E-15
Description	<1µm	1µm	1µm	1.5µm	1-2µm	1-2µm	1µm	1-2µm	3-5µm	10-12µm	10-12µm
Basis Weight											
<i>lbs/3000 ft²</i>	41.0	45.0	47.0	39.0	37.0	37.0	48.0	125.0	58.0	50.0	50.0
<i>gms/m²</i>	66.9	73.4	76.7	63.6	60.4	60.4	78.3	204.0	94.7	81.6	81.6
Caliper											
<i>inches</i>	0.013	0.016	0.016	0.017	0.013	0.013	0.018	0.045	0.020	0.018	0.018
<i>mm</i>	0.33	0.41	0.41	0.43	0.32	0.32	0.46	1.14	0.51	0.46	0.46
DOP Smoke Penetration											
<i>0.3 µm @10.5 ft/min</i>	0.0000%	0.001%	0.000%	0.020%	0.010%	0.010%	0.008%	0.015%	3.0%	36.5%	36.5%
Air Flow Resistance											
<i>mm H₂O @ 10.5 ft/min</i>	N/A	51.0	52.5	-	36.0	36.0	37.0	36.0	15.0	5.0	5.0
Frazier Permeability											
<i>ft³/min/ft² @0.5" H₂O W.G.</i>	-	-	-	-	-	-	-	-	-	27.0	27.0
MD Strip Tensile											
<i>lbs/in</i>	7.0	3.0	7.0	-	4.5	4.5	3.0	8.0	8.0	6.0	6.0
<i>% Elongation</i>	2.0	2.5	2.0	-	1.5	1.5	2.5	1.5	1.5	1.5	1.5
Mean Pore Size											
<i>µm</i>	1.5	2.8	2.7	-	3.6	3.6	3.6	4.3	6.0	13.0	13.0
Ignition Loss											
<i>% Loss</i>	5.0%	0.0%	5.0%	0.0%	5.0%	5.0%	0.0%	5.0%	5.0%	5.0%	5.0%
Water Repellency											
<i>inches H₂O</i>	-	-	-	-	-	20.0	-	-	-	-	20.0

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

Note: 934-AH is a trademark of Whatman Inc. used under license

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ANALYTICAL FILTER MEDIA
One-side Laminated Microfiberglass

Typical Values

Grade	LA-88	LA-95	RG	Hydrophobic LB-84	LC-42	LD-23	LE-13
	<1µm	1µm	1-2µm	1-2µm	1-2µm	3-5µm	10-12µm
Basis Weight lbs/3000 ft ²	56.0	64.0	54.0	54.0	140.0	75.0	67.0
	91.4	104.4	88.1	88.1	228.5	122.4	109.3
Caliper inches	0.016	0.017	0.015	0.015	0.048	0.020	0.018
	0.41	0.43	0.38	0.38	1.22	0.51	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
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ANALYTICAL FILTER MEDIA
Two-side Laminated Microfiberglass

Typical Values

	Hydrophobic						
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							
<i>lbs/3000 ft²</i>	81.0	81.0	71.0	75.0	155.0	92.0	84.0
<i>gms/m²</i>	132.2	132.2	115.9	122.4	253.0	150.1	137.1
Caliper							
<i>inches</i>	0.018	0.018	0.017	0.017	0.052	0.023	0.022
<i>mm</i>	0.46	0.46	0.43	0.43	1.32	0.58	0.56
DOP Smoke Penetration							
<i>0.3 µm @10.5 ft/min</i>	0.000%	0.000%	0.010%	0.015%	0.010%	3.0%	32.5%
Air Flow Resistance							
<i>mm H₂O @ 10.5 ft/min</i>	N/A	54.0	39.0	40.0	40.0	19.0	5.0
Frazier Permeability							
<i>ft³/min/ft² @0.5" H₂O W.G.</i>	-	-	-	-	-	-	22.0
MD Strip Tensile							
<i>lbs/in</i>	7.0	7.0	4.5	4.5	8.0	8.0	6.0
Mean Pore Size							
<i>µm</i>	1.5	2.1	3.1	3.1	4.1	5.8	12.8
Water Repellency							
<i>inches H₂O</i>	-	-	-	20.0	-	-	-

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