



ETL Testing Laboratories, Inc.
Industrial Park Route 11
Cortland, NY 13045

5.

AIR FILTER PERFORMANCE REPORT
ASHRAE 52.1-1992

Report No.: 522711A Order No.: 65431-480 Date: November 4, 1992

Requested by: Fiberbond Corp.

Manufacturer: Fiberbond Corp.

Product Name: FP-100 Media

Model No.: FP-100

Dimensions: H 24" W 23-3/4" D 1"

Source of Test Sample: Purchased on the open market

	<u>Rated*</u>	<u>Test Results</u>
Test Air Flow Rate, CFM	1200	1200
Initial Resistance, In. W.G.	N/A	0.14
Final Resistance, In. W.G.	1.00	1.10
Initial Atmospheric Dust Spot Efficiency, %	N/A	7.6
Average Atmospheric Dust Spot Efficiency, %	N/A	23.5
Average Synthetic Dust Weight Arrestance, %	N/A	89.1
ASHRAE Dust Holding Capacity, grams	N/A	194 @ 1.0"

Sampling tip Diameter: 1.211"

Dust Feeding Rate: 2g/1000 cu.ft.

Test Air Temperature Range: 45-74°F

Test Air Humidity Range: 20-57%

*Rated Performance Data from Manufacturer

Date of Test: October 5 - October 6, 1992

Physical Description of Filter Tested:

The filter tested was a flat panel. The media was a dual density material. The media was white in color on the upstream side and blue on the downstream side. The media was placed in a metal holer with a one inch mesh wire screen on the downstream side for testing. The media area was 4 square feet.

Reports dated later than
January 27, 1988 are
guaranteed authentic only
if hand signed and embossed
with the engineer's seal.



Report Approved by:

John Sabelli

John Sabelli, P.E.



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5.

ASHRAE STANDARD 52.1-1992
PERFORMANCE TEST SUMMARY

Report No.: 525113 Order No.: 65431-480 Date: January 8, 1993
Revised: September 29, 1993

Requested by: Fiberbond Corporation
Manufacturer: Fiberbond Corporation
Product Name: 1/2" Poly Tack Media
Model No.: FP 50 Dimensions: H 23-3/8" W 23-3/4" D 3/4"

Source of Test Sample: Purchased on the Open Market

	<u>Rated*</u>	<u>Test Results</u>
Test Air Flow Rate, CFM	1200	1200
Initial Resistance, In. W.G.	N/A	0.11
Final Resistance, In. W.G.	1.00	1.13
Initial Dust Spot Efficiency, %	N/A	less than 20
Average Dust Spot Efficiency, %	N/A	less than 20
Average Synthetic Dust Weight Arrestance, %	N/A	86.6
ASHRAE Dust Holding Capacity, grams	N/A	260 @ 1.0"

Sampling tip Diameter: 1.211" Dust Feeding Rate: 2g/1000 cu.ft.
Test Air Temperature Range: 43-68°F Test Air Humidity Range: 16-82%

*Rated Performance Data from Manufacturer

Date of Test: December 8 - December 9, 1992

Physical Description of Filter Tested:

The media tested was a dual density synthetic material. The media was white in color on the upstream side and blue in color on the downstream side. An adhesive had been applied to the downstream side. The approximate media area was 4 square feet.

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Rev. 1 9/29/93 JS



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ASHRAE STANDARD 52.1-1992
PERFORMANCE TEST SUMMARY

Report No.: 524984 Order No.: 65431-480 Date: December 17, 1992
Revised: September 29, 1993

Requested by: Fiberbond Corporation
Manufacturer: Fiberbond Corporation
Product Name: 1" Dry Poly Media
Model No.: FM-100 Dimensions: H 23-3/4" W 23-3/4" D 1"

Source of Test Sample: Purchased on the Open Market

	<u>Rated*</u>	<u>Test Results</u>
Test Air Flow Rate, CFM	1200	1200
Initial Resistance, In. W.G.	N/A	0.14
Final Resistance, In. W.G.	1.00	1.05
Initial Dust Spot Efficiency, %	N/A	less than 20
Average Dust Spot Efficiency, %	N/A	less than 20
Average Synthetic Dust Weight Arrestance, %	N/A	88.9
ASHRAE Dust Holding Capacity, grams	N/A	233 @ 1.0"

Sampling tip Diameter: 1.211" Dust Feeding Rate: 2g/1000 cu.ft.
Test Air Temperature Range: 38-74°F Test Air Humidity Range: 27-59%

*Rated Performance Data from Manufacturer

Date of Test: November 18 - November 23, 1992

Physical Description of Filter Tested:

The filter tested was flat unsupported media. The media was white in color, and consisted of non-woven dry polyester fiber. The media was coarse on the upstream side and smooth and more dense on the downstream side. The approximate media area was 4 square feet.

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ASHRAE STANDARD 52.1-1992
PERFORMANCE TEST SUMMARY

Report No.: 524984 Order No.: 65431-480 Date: December 17, 1992
Revised: September 29, 1993

Requested by: Fiberbond Corporation
Manufacturer: Fiberbond Corporation
Product Name: 1" Dry Poly Media
Model No.: FM-100 Dimensions: H 23-3/4" W 23-3/4" D 1"

Source of Test Sample: Purchased on the Open Market

	<u>Rated*</u>	<u>Test Results</u>
Test Air Flow Rate, CFM	1200	1200
Initial Resistance, In. W.G.	N/A	0.14
Final Resistance, In. W.G.	1.00	1.05
Initial Dust Spot Efficiency, %	N/A	less than 20
Average Dust Spot Efficiency, %	N/A	less than 20
Average Synthetic Dust Weight Arrestance, %	N/A	88.9
ASHRAE Dust Holding Capacity, grams	N/A	233 @ 1.0"

Sampling tip Diameter: 1.211" Dust Feeding Rate: 2g/1000 cu.ft.
Test Air Temperature Range: 38-74°F Test Air Humidity Range: 27-59%

*Rated Performance Data from Manufacturer

Date of Test: November 18 - November 23, 1992

Physical Description of Filter Tested:

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**ASHRAE STANDARD 52.1-1992
 PERFORMANCE TEST SUMMARY**

Report No.: 525113 Order No.: 65431-480 Date: January 8, 1993
 Revised: September 29, 1993

Requested by: Fiberbond Corporation
 Manufacturer: Fiberbond Corporation
 Product Name: 1/2" Poly Tack Media
 Model No.: FP 50 Dimensions: H 23-3/8" W 23-3/4" D 3/4"

Source of Test Sample: Purchased on the Open Market

	<u>Rated*</u>	<u>Test Results</u>
Test Air Flow Rate, CFM	1200	1200
Initial Resistance, In. W.G.	N/A	0.11
Final Resistance, In. W.G.	1.00	1.13
Initial Dust Spot Efficiency, %	N/A	less than 20
Average Dust Spot Efficiency, %	N/A	less than 20
Average Synthetic Dust Weight Arrestance, %	N/A	86.6
ASHRAE Dust Holding Capacity, grams	N/A	260 @ 1.0"

Sampling tip Diameter: 1.211" Dust Feeding Rate: 2g/1000 cu.ft.
 Test Air Temperature Range: 43-68°F Test Air Humidity Range: 16-82%

*Rated Performance Data from Manufacturer

Date of Test: December 8 - December 9, 1992

Physical Description of Filter Tested:

The media tested was a dual density synthetic material. The media was white in color on the upstream side and blue in color on the downstream side. An adhesive had been applied to the downstream side. The approximate media area was 4 square feet.

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