



IPS TESTING

Test Report
May 28, 2020
Page 1 of 4
SGS-IPS 00835-20

Report to: Gilbert Audet
Paty, Incorporated
4540 S Pinemont Drive
Houston, TX 77041

Sample Identification: **One Polypropylene Film Sample**

Date Received: May 21, 2020

Test(s) Requested: Water Resistance: Impact Penetration, Water Resistance: Hydrostatic Pressure

PO Number: Credit Card

Analysis of One Polypropylene Film Sample

SGS-IPS Testing performed the testing listed above on one polypropylene film sample provided by Paty, Incorporated. The results are listed in Tables 1 and 2 on the following pages.

If you have any questions, please contact us.

Authorized by _____

Rhonda J Mesko
Laboratory Manager

Signed _____

Eric Belter
Lab Technician
Analytical Services
920-749-3040

Table 1. Water Resistance: Impact Penetration

Polypropylene Film



AT-1659

Water Penetration (g)

1	0.0
2	0.0
3	0.0
<hr/>	
Average	0.0
Std. Dev.	0.00
Maximum	0.0
Minimum	0.0
n=	3

Test Parameters

Temperature (°C) 27.3

Test Side: Labeled

Blotter Lot: 112645

Table 2. Water Resistance: Hydrostatic Pressure

Orientation	Polypropylene Film	
	Labeled	SdB
Hydrohead (mbar)		
1	191	NA
2	216	NA
3	199	NA
Average	202	NA
Std. Dev.	12.8	NA
Maximum	216	NA
Minimum	191	NA
n=	3	NA
Hydrohead (cm of H ₂ O)	206	NA
Test Parameters		
Temperature (°C)	22.9	NA
Test Pressure Limit (mbar)	1000	NA
Failure Type	Burst	NA



AT-1659

Gradient: 60 mbar/min
 Water Type: Deionized Water

Method(s) and Notes:

All valid results are included in the statistical analyses.
 Revisions of SGS-IPS methods when used are current at the time of testing.
 Samples tested and conditioned in TAPPI standard conditions unless requested otherwise by customer.
 Samples were not preconditioned.

AATCC 42-2017 Water Resistance: Impact Penetration Test

Type II Impact Penetration Tester was used for this testing.
 Samples conditioned in TAPPI standard conditions unless requested otherwise by customer.

The estimated k=2 uncertainty for AATCC 42 is calculated and available on request.
 Spray head has a hole in the center, funnel is plastic instead of glass.

Blotter papers used: Ahlstrom Grade 989.

AATCC Test Method 127-2017 Water Resistance: Hydrostatic Pressure Test

Option 2, Hydrostatic Head Tester.

Samples conditioned in TAPPI standard conditions unless requested otherwise by customer.

Analyzed by: EB
Quality review by: TY
Date(s) of testing: May 27-28, 2020

Room Conditions

	Relative Humidity (%)	Temperature (°F)
Conditioning Environment	51.1	73.9
Maximum during testing	51.1	73.9
Minimum during testing	50.6	73.6

Note: See the method(s) cited above for available estimates of measurement uncertainty. Unless otherwise noted, sampling was performed by customer.

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