



IPS TESTING

Test Report
May 15, 2020
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SGS-IPS 00777-20

Report to: Arthur Kuan
CG Oncology, Inc.
400 Spectrum Center Drive
Suite 2040
Irvine, CA 92618

Sample Identification: **One Nonwoven Polyethylene Isolation Gown Sample**

Date Received: May 13, 2020

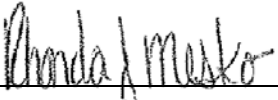
Test(s) Requested: Basis Weight, Water Resistance: Impact Penetration, Water Resistance:
Hydrostatic Pressure

PO Number: Credit Card

Analysis of One Nonwoven Polyethylene Isolation Gown Sample

SGS-IPS Testing performed the testing listed above on one nonwoven polyethylene isolation gown sample provided by CG Oncology, Inc. The results are listed in Tables 1 through 3 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. Physical Properties



	315000 EOT-PEXL Front	315000 EOT-PEXL Back	315000 EOT-PEXL Sleeve	315000 EOT-PEXL Sleeve Seam
Basis Weight				
	  AT-1659			
Mass Per Unit Area (g/m ²)	33.2	NA	NA	NA
Basis Weight (oz/yd ²)	0.979	NA	NA	NA

Table 2. Water Resistance: Impact Penetration




	315000 EOT-PEXL Front	315000 EOT-PEXL Back	315000 EOT-PEXL Sleeve	315000 EOT-PEXL Sleeve Seam
  AT-1659 <small>ISO/IEC 17025 TESTING LABORATORY</small>				
Water Penetration (g)				
1	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0
Average	0.0	0.0	0.0	0.0
Std. Dev.	0.02	0.02	0.02	0.01
Maximum	0.0	0.0	0.0	0.0
Minimum	0.0	0.0	0.0	0.0
n=	3	3	3	3
Test Parameters				
Temperature (°C)	26.0	26.2	26.1	26.2
Test Side: Outside				
Blotter Lot: 112645				

Table 3. Water Resistance: Hydrostatic Pressure

Orientation	315000 EOT-PEXL Front		315000 EOT-PEXL Back		315000 EOT-PEXL Sleeve		315000 EOT-PEXL Sleeve Seam	
	Outside	SdB	Outside	SdB	Outside	SdB	Outside	SdB
								
Hydrohead (mbar)								
1	96.2	NA	107	NA	110	NA	115	NA
2	102	NA	104	NA	113	NA	119	NA
3	111	NA	107	NA	104	NA	129	NA
Average	103	NA	106	NA	109	NA	121	NA
Std. Dev.	7.5	NA	1.7	NA	4.6	NA	7.2	NA
Maximum	111	NA	107	NA	113	NA	129	NA
Minimum	96.2	NA	104	NA	104	NA	115	NA
n=	3	NA	3	NA	3	NA	3	NA
Hydrohead (cm of H ₂ O)	105	NA	108	NA	111	NA	123	NA
Test Parameters								
Temperature (°C)	22.4	NA	22.3	NA	22.3	NA	22.2	NA
Test Pressure Limit (mbar)	1000	NA	1000	NA	1000	NA	1000	NA
Failure Type	3 Drops	NA	3 Drops	NA	3 Drops	NA	3 Drops	NA

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.
ASTM D 3776/D 3776M - 09a (Reapproved 2017) Standard Test Methods for Mass Per Unit Area (Weight) of Fabric: Option C
Tested on Front side only.
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: TY, EB, AS
Quality review by: EB, TY
Date(s) of testing: May 14-15, 2020

Room Conditions

	Relative Humidity (%)	Temperature (°F)
Conditioning Environment	49.2	73.2
Maximum during testing	51.4	73.6
Minimum during testing	49.2	73.0

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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