

# Disposable Labcoat



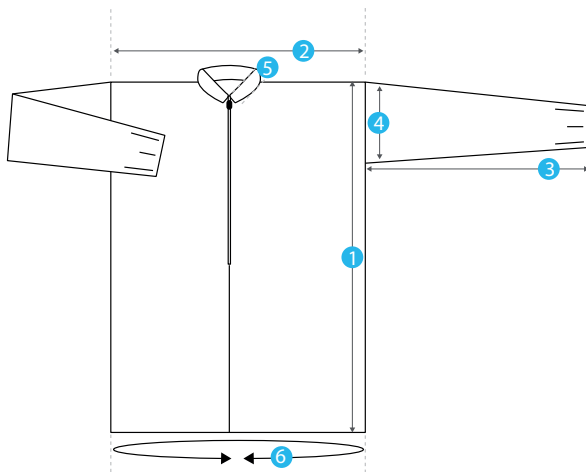
## Features

- Manufactured from a lightweight, low linting material
- Excellent comfort, breathability and water vapour transmission rates
- Designed and manufactured to meet the stringent demands of the cleanroom industry

Product code	Size	Antistatic
RND 600-00129	S	No
RND 600-00130	M	Yes
RND 600-00131	L	Yes
RND 600-00132	XL	Yes
RND 600-00133	XXL	Yes



Image shown for illustration purposes only.



Size	Overall Length	Chest Length	Sleeve Length	Sleeve Opening Width	Collar Width	Overall Width	Antistatic
	1	2	3	4	5	6	
S	104.14	55.88	45.72	26.87	6.35	121.92	No
M	108	65	57	26	8	134	Yes
L	110	67	57	26	8	138	Yes
XL	112	71	57	26.5	8	142	Yes
XXL	114	73	57	26.5	8	146	Yes
Tolerance +/-	5	2.5	1.3	1.3	1.3	5	

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## Technical Specifications

Description	Integrity Result	Test Procedure PGI Standard	REF Test Procedure ASTM Standard
Basis Weight oz/yd	1.5	D3776	D3776
Thickness Mils	6.77	D1777	D1777
Strip Tensile (MD/CD) lbs/in	8.73/6.22	D1682	D1682
Strip Elongation (MD/CD) %	112/107	D1682	D5034
Work to Break in - lbs	20.38/12.13	D1682	D1682
Work up to Fmax. (MD/CD) in - lbs	18.55/10.83	D1682	
Tongue Tear (MD/CD) lbs	15.25/9.62		DASTM D2261
Flammability	Class 1		CS-191-53, Sec. 1610
Mullen Burst lbs/sq in	83		
Particulate Burden	none		
Shrink Temp F°/C°	270/135		
Melt Temp F°/C°	275/135		
Water Vapour Transmission gm/24hrs	1302		ASTM E96 - 2006

## Test Report

### Test Result

#### Surface Resistivity of Fabric (EN 1149-1:2006)

Test Conditions : Applied Voltage and time:100V for 16 seconds  
Temperature 23± 1°C, Relative Humidity 25 ± 5%

Surface Resistivity

Non-woven

1.4 x 10<sup>10</sup> Ohms

Coating

2.9 x 10<sup>10</sup> Ohms

\*\*End of Report\*\*

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## Test Report

### Test Result

#### Tensile Strength (ASTM D6034-2001; Instron CRE - 1" Grab)

Length (lb)	4.7
Width yarns torn (lb)	5.2

Notes: Warp test - test in which the warp yarns are torn.  
Weft test - test in which the weft yarns are torn.

#### Bursting Strength (ASTM D3787-1989; Instron ball bursting) (lbf) 25.9

Water Vapour Transmission of Textiles Fabrics (ASTM E96 2005)  
Procedure B - Inverted Water Method at 73.4°C (23°C) & 50±2% RH  
Tested Area : 0.003117 square metre  
Orientation : Back side : Facing Water

Grams per square metre per 24 hours	1302
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#### Fabric Weight per Unit Area (ASTM D3776-2002; option C)

(oz/yd <sup>2</sup> )	1.9
(g/m <sup>2</sup> )	66

#### Air Permeability of Textile Fabrics (ASTM D737-2004; TEXTEST FX3300 Air Permeability Tester III)

Test pressure: 125 pa  
Test area: 38 sq cm

#### Individual Readings (Unit : cfm)

1.	0.230
2.	0.227
3.	0.239
4.	0.251
5.	0.234

Commentary:	-
Average:	0.236
Minimum:	0.227
Maximum:	0.251
CV%:	4.0

#### Water Resistance\* (ASTM D751-2000 ; Hydrostatic Head)

Water column (mm)	1616.7
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\*\*\*End of Report\*\*\*