

# RSG Series 110 BP

## 100151 - 100155



<b>Product Code</b>	<b>100151 - 100155</b>
Product description	Lightweight disposable coverall for type 5 and 6 applications
Material	50 gsm SMMS (Spunbond, Meltblown:Meltblown, Spunbond) Polypropylene with antistatic treatment.
Standard Style	Coverall with hood, elastic waist, wrists with thumb loops and ankles
Seam Type	Stitched - a strong tight seam with high particle barrier properties.
Colour	White



### EN14325:2004 Fabric Physical Performance

#### Fabric Physical Tests according to EN 14325: 2004

Test Method	Result	EN Class
Abrasion Resistance EN530 Method 2	>100 <500 cycles	2 of 6
Flex ISO 7854 Method B	>15,000	4 of 6
Tear Resistance EN ISO 9073-4 (MD)	51.0 N	3 of 6
Tear Resistance EN ISO 9073-4 (CD)	30.0 N	2 of 6
Tensile Strength ISO 13934-1 (MD)	113.0 N	3 of 6
Tensile Strength ISO 13934-1 (CD)	70.0 N	2 of 6
Puncture Resistance EN 863	8.0 N	1 of 6

### Additional Fabric Performance Data

Other Physical Performance Data	
Description	Result
EN 20811 Resistance to Water Penetration	8.4 kPa
EN 13274-4 Resistance to Ignition	Pass 6 samples tested with no after flame or drop formation
EN 25978 Resistance to Blocking	PASS - no blocking
EN 1149-1: 2006 Electrostatic Surface Resistance	EN1149-1 PASS Outside R = $1.0 \times 10^9$ and inside R = $2.4 \times 10^9$ ohms
ISO 13938-1 Bursting Resistance	70.54 kPa Class 1 of 6
EN13688:2013 Protective Clothing General Requirements. EN ISO 3071:2005 pH aqueous extrac	PASS

**Whole Suit performance**

Whole Suit Results		
Test Method	Description	Result
<b>EN ISO 13982-2 Method B</b>	Type 5 Particulate Inward Leakage*	Pass TIL = 3.7% Ljmn, 82/90 ≤ 9.6%, Ls, 8/10 ≤ 4.2%
<b>EN ISO 17491-4:2008 Method A</b>	Type 6 Reduced Spray Test*	PASS
<b>EN 1073-2:2002</b>	Inward leakage test non-ventilated protective clothing against particulate radioactive contamination*	PASS Class 1 of 3 NPF 27 TIL <sub>E</sub> = 7.2% TIL <sub>A</sub> = 3.71%
<b>EN ISO 13935-2</b>	EN ISO 13935-2	> 93N Class 3 of 6

\*Whole suit tests performed with wrists, cuffs, ankles and hood taped to ancillary PPE with the zip flap sealed. TIL<sub>E</sub> highest reading (inward leakage) from the 3 exercises

**Penetration and Repellency**

Chemical Penetration EN368 / EN ISO 6530			Chemical Repellence EN368 / EN ISO 6530	
Chemical	Result	EN Class	Result	EN Class
<b>30% Sulphuric Acid</b>	96.8%	3 of 3	0.0% IA= 1.7%	3 of 3
<b>10% Sodium Hydroxide</b>	95.5%	3 of 3	0.0% IA= 3.96%	3 of 3
<b>o-Xylene</b>	0.0%	0 of 3	48.2% IA= 49.2%	0 of 3
<b>Butan-1-ol</b>	17.13%	0 of 3	34.7% IA= 45.9%	0 of 3