

# RSG Series 100 BP

## 100051 - 100055



Product Code	<b>100051 - 100055</b>
Product description	Lightweight disposable coverall for type 5 and 6 applications
Material	45 gsm SMMS (Spunbond, Meltblown:Meltblown, Spunbond)
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	>100,000 cycles	6 of 6
Tear Resistance EN ISO 9073-4 (MD)	61.0 N	4 of 6
Tear Resistance EN ISO 9073-4 (CD)	38.0 N	2 of 6
Tensile Strength ISO 13934-1 (MD)	109.0 N	3 of 6
Tensile Strength ISO 13934-1 (CD)	67.0 N	2 of 6
Puncture Resistance EN 863	6.5 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
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 = 7.14% Ljmn 82/90 ≤ 15.4%, Ls 8/10 ≤ 8.7%
<b>EN ISO 17491-4:2008 Method A</b>	Type 6 Reduced Spray Test*	PASS
<b>EN 1073-2:2002</b>	Non ventilated protective clothing against particulate radioactive contamination*	Pass Class 1 NPF = 14 TILE = 13.17% TILA = 7.14%
<b>EN ISO 13935-2</b>	Seam Strength	> 88.0N 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>	98.2%	3 of 3	0.0% IA= 1.1%	3 of 3	
<b>10% Sodium Hydroxide</b>	96.2%	3 of 3	0.0% IA= 3.4%	3 of 3	
<b>o-Xylene</b>	0.0%	0 of 3	47.0% IA= 48.8%	0 of 3	
<b>Butan-1-ol</b>	17.36%	0 of 3	35.9% IA= 44.7%	0 of 3	