

RSG Series 200 LCP

100551 - 100555



| Product Code | 100555 - 100551 |
|---------------------|---|
| Product description | Lightweight disposable coverall for type 5 and 6 applications |
| Material | 50 gsm Microporous Polyethylene (PE) Laminate. |
| Standard Style | Coverall with hood, elastic waist, wrists with thumb loops and ankles |
| Seam Type | Stitched and Bound |
| 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 < 40,000 | 4 of 6 |
| Tear Resistance EN ISO 9073-4 (MD) | 50.2 N | 3 of 6 |
| Tear Resistance EN ISO 9073-4 (CD) | 28.7 N | 2 of 6 |
| Tensile Strength ISO 13934-1 (MD) | 88.0 N | 2 of 6 |
| Tensile Strength ISO 13934-1 (CD) | 43.0 N | 1 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 | 24.3 kPa |
| ISO 13938-1 Bursting Resistance | 123 kPa Class 2 of 6 |
| EN 25978 Resistance to Blocking | No Blocking |
| EN 1149-5: 2008 Electrostatic Surface Resistance | PASS Half Decay $t_{50} = 0.12s$ Inner R = $1.1 \times 10^9 \Omega$ Outer R = $2.5 \times 10^8 \Omega$ |
| EN13688:2013 Protective Clothing General Requirements. EN ISO 3071:2005 pH aqueous extract | PASS |

Whole Suit performance

| Whole Suit Results | | |
|---|---|---|
| Test Method | Description | Result |
| EN ISO 13982-2 Method B | Type 5 Particulate Inward Leakage* | PASS TIL = 2.2% Ljmn, 82/90 ≤ 6.6% Ls, 8/10 ≤ 3.5 % |
| EN ISO 17491-4:2008 Method A | Type 6 Reduced Spray Test* | PASS Note: 2 suits no leakage with ingress on 1 suit only and stain < 2.5% of total permitted leakage/ suit. |
| EN 1073-2:2002 | Inward leakage test non-ventilated protective clothing against particulate radioactive contamination* | PASS Class 1 of 3 NPF 40 TIL _E = 4.0 % TIL _A = 2.5 % |
| EN ISO 13935-2 | Seam Strength | Stitched: 87.0 N Class 3 of 6. Bound: 100.0 N Class 3 of 6. |

*Whole suit tests performed with wrists, cuffs, ankles and hood taped to ancillary PPE with the zip flap sealed.
TIL_E 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 |
| 30% Sulphuric Acid | 96.7% | 3 of 3 | 0.0% | 3 of 3 |
| 10% Sodium Hydroxide | 97.9% | 3 of 3 | 0.0% | 3 of 3 |
| o-Xylene | 97.3% | 3 of 3 | 0.0% | 3 of 3 |
| Butan-1-ol | 95.6% | 3 of 3 | 0.0% | 3 of 3 |

Barrier to Biological and Infective Agents

| EN 14126: 2003 - Barrier to Infective Agents | | |
|---|---------------------------|----------|
| Test Method | Result | EN Class |
| ISO 16603 - Resistance to penetration by blood/fluids under pressure. Synthetic blood method | 1.75 kPa | 2 of 6 |
| ISO 16604 - Resistance to penetration by blood borne pathogens. Phi-X174 method | 1.75 kPa | 2 of 6 |
| EN ISO 22610 - Resistance to wet bacterial penetration (mechanical contact) | Penetration >75 mins | 6 of 6 |
| ISO/DIS 22611 - Resistance to biologically contaminated aerosols | Penetration Ratio Log 1.3 | 1 of 3 |
| ISO/DIS 22611 - Resistance to biologically contaminated aerosols | Penetration Log UFC 0.3 | 3 of 3 |