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# DUPONT™ PROSHIELD® 20

## TECHNICAL DATA SHEET

CAT III

T5

T6

EN 1073-2

EN 1149-5



## PRODUCT INFORMATION

DuPont™ ProShield® 20 Blue. Hooded coverall. Stitched external seams. Elasticated wrists, ankles and face. Elasticated waist (stitched-in). Zipper flap. Blue.

## ATTRIBUTES

| | |
|---|---|
| **Full Part Number** | PBCHF5SBU00 |
| **Fabric/Materials** | ProShield® 20 |
| **Design** | Hooded coverall with elastics |
| **Seam** | Stitched (external) |
| **Color** | Blue |
| **Other Colors** | White |
| **Sizes** | SM, MD, LG, XL, 2X, 3X |
| **Quantity/Box** | 50 per box, individually packed. |

## FEATURES

- Certified according to Regulation (EU) 2016/425
- Chemical protective clothing, Category III, Type 5 and 6
- EN 1073-2 (protection against radioactive contamination)
- Antistatic treatment (EN 1149-5) - on inside
- Stitched external seams
- Nylon zipper with flap

### SIZETABLE

| PRODUCT SIZE | ARTICLE NUMBER | ADDITIONAL INFO |
|---|---|---|
| SM | D15338174 | |
| MD | D15338185 | |
| LG | D15338191 | |
| XL | D15338209 | |
| 2XL | D15338211 | |
| 3XL | D15338227 | |

### PHYSICAL PROPERTIES

| PROPERTY | TEST METHOD | TYPICAL RESULT | EN |
|---|---|---|---|
| Abrasion Resistance [7] | EN 530 Method 2 | >10 cycles | 1/6 [1] |
| Basis Weight | DIN EN ISO 536 | 43 g/m$^2$ | N/A |
| Colour | N/A | Blue | N/A |
| Exposure to high Temperature | N/A | Melting point ~165 °C | N/A |
| Flex Cracking Resistance [7] | EN ISO 7854 Method B | >1000 cycles | 1/6 [1] |
| Puncture Resistance | EN 863 | >5 N | 1/6 [1] |
| Resistance to water penetration | DIN EN 20811 | 3 kPa | N/A |
| Surface Resistance at RH 25%, inside [7] | EN 1149-1 | < 2,5 • 10$^9$ Ohm | N/A |

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| PROPERTY | TEST METHOD | TYPICAL RESULT | EN |
|---|---|---|---|
| Surface Resistance at RH 25%, outside [7] | EN 1149-1 | < 2,5 • $10^9$ Ohm | N/A |
| Tensile Strength (MD) | DIN EN ISO 13934-1 | >30 N | 1/6 [1] |
| Tensile Strength (XD) | DIN EN ISO 13934-1 | >30 N | 1/6 [1] |
| Trapezoidal Tear Resistance (MD) | EN ISO 9073-4 | >10 N | 1/6 [1] |
| Trapezoidal Tear Resistance (XD) | EN ISO 9073-4 | >10 N | 1/6 [1] |

1 According to EN 14325 | 2 According to EN 14126 | 3 According to EN 1073-2 | 4 According to EN 14116 | 12 According to EN 11612 | 5 Front Tyvek ® / Back | 6 Based on test according to ASTM D-572 | 7 See Instructions for Use for further information, limitations and warnings | > Larger than | < Smaller than | N/A Not Applicable | STD DEV Standard Deviation |

### GARMENT PERFORMANCE

| PROPERTY | TEST METHOD | TYPICAL RESULT | EN |
|---|---|---|---|
| Nominal protection factor [7] | EN 1073-2 | >5 | 1/3 [3] |
| Seam Strength | EN ISO 13935-2 | >50 N | 2/6 [1] |
| Shelf Life [7] | N/A | 3 years [6] | N/A |
| Type 5: Inward Leakage [11] | EN ISO 13982-2 | 14 % | N/A |
| Type 5: Inward Leakage of Airborne Solid Particulates | EN ISO 13982-2 | Pass [7] | N/A |
| Type 6: Resistance to Penetration by Liquids (Low Level Spray Test) | EN ISO 17491-4, Method A | Pass | N/A |

1 According to EN 14325 | 3 According to EN 1073-2 | 12 According to EN 11612 | 13 According to EN 11611 | 5 Front Tyvek ® / Back | 6 Based on test according to ASTM D-572 | 7 See Instructions for Use for further information, limitations and warnings | 11 Based on the average of 10 suits, 3 activities, 3 probes | > Larger than | < Smaller than | N/A Not Applicable | * Based on lowest single value |

### PENETRATION AND REPELLENCY

| PROPERTY | TEST METHOD | TYPICAL RESULT | EN |
|---|---|---|---|
| Repellency to Liquids, Sodium Hydroxide (10%) | EN ISO 6530 | >80 % | 1/3 [1] |
| Repellency to Liquids, Sulphuric Acid (30%) | EN ISO 6530 | >95 % | 3/3 [1] |
| Resistance to Penetration by Liquids, Sodium Hydroxide (10%) | EN ISO 6530 | <5 % | 2/3 [1] |
| Resistance to Penetration by Liquids, Sulphuric Acid (30%) | EN ISO 6530 | <5 % | 2/3 [1] |

1 According to EN 14325 | > Larger than | < Smaller than |

### WARNING

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This garment and/or fabric are not flame resistant and should not be used around heat, open flame, sparks or in potentially flammable environments.

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## TECHNICAL DATA SHEET

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