



Model CHF5

# ProShield® 20 SFR

DuPont™ ProShield® 20 SFR. Limited flame spread coverall (index 1) with hood. Stitched external orange seams. Elasticated wrists, ankles, face and waist. White.

Name	Description
Full Part Number	F1CHF5SWH00
Fabric/Materials	FR SMS
Design	Hooded coverall with elastics
Seam	Stitched (external), orange
Color	White
Sizes	MD, LG, XL, 2X, 3X
Quantity/Box	50 per box, individually packed

## FEATURES & PRODUCT DETAILS

DuPont™ ProShield® 20 SFR. Hooded coverall available in white and in sizes MD to 3X. 3-piece hood and 3-piece gusset for optimal fit. Elasticated face, wrists, waist and ankles. Generous fit offering high freedom of movement when wearing index 2 or 3 flame-retardant workwear beneath.

ProShield® 20 SFR garments are made from a non-halogenated, flame-retardant polypropylene SMS nonwoven fabric, providing limited protection against flame spread (index 1) in addition to protection against particles and limited liquid splashes or sprays of water-based liquids. They must always be worn on top of a primary FR protection garment, such as Nomex®.

ProShield® 20 SFR garments are used across a range of applications, including those in the petrochemical and railway industries, welding, gas and metal applications and certain Ex-Zones (refer to instructions for use).

- Certified according to Regulation (EU) 2016/425.
- Chemical protective clothing, Category III, Type 5 and 6.
- EN 14116 index 1 (limited flame spread), EN 1073-2 (protection against radioactive contamination)
- Antistatic treatment (EN 1149-5) - on both sides.
- Stitched external seams in orange for visual identification and differentiation
- Zipper flap for protection

## **ADDITIONAL EQUIPMENT NEEDED**

- Please read, understand and follow the Tychem® User Manual.
- Temprow® garments are flame retardant treated, not inherently flame resistant, and are intended to be worn over primary flame-resistant garments. Temprow® garments will not provide thermal / fire protection if worn alone.
- Wear other appropriate PPE such as, but not limited to, respiratory, eye, head, hand, and foot protection based on the hazard assessment.

## SIZES

Article Number	Product Size
D14591556	MD
D14591547	LG
D14591537	XL
D14591523	2X
D14591515	3X

## Physical Properties



Data relating to mechanical performance of the fabrics used in DuPont chemical protective clothing, listed for the selected garment according to the test methods and relevant European standard, if applicable. Such properties, including abrasion and flex-cracking resistance, tensile strength and puncture resistance can help in the assessment of protective performance.

Property	Test Method	Typical Result	EN
Abrasion Resistance <sup>7</sup>	EN 530 Method 2	>100 cycles	2/6 <sup>1</sup>
Basis Weight	DIN EN ISO 536	60 g/m <sup>2</sup>	N/A
Colour	N/A.	White	N/A
Flex Cracking Resistance <sup>7</sup>	EN ISO 7854 Method B	>100000 cycles	6/6 <sup>1</sup>
Limited Flame Spread <sup>7</sup>	EN ISO 15025:2003 procedure A	Pass	Index 1 <sup>4</sup>
Puncture Resistance	EN 863	>5 N	1/6 <sup>1</sup>
Surface Resistance at RH 25%, inside <sup>7</sup>	EN 1149-1	< 2,5 • 10 <sup>9</sup> Ohm	N/A
Surface Resistance at RH 25%, outside <sup>7</sup>	EN 1149-1	< 2,5 • 10 <sup>9</sup> Ohm	N/A
Tensile Strength (MD)	DIN EN ISO 13934-1	>30 N	1/6 <sup>1</sup>
Tensile Strength (XD)	DIN EN ISO 13934-1	>30 N	1/6 <sup>1</sup>
Trapezoidal Tear Resistance (MD)	EN ISO 9073-4	>20 N	2/6 <sup>1</sup>
Trapezoidal Tear Resistance (XD)	EN ISO 9073-4	>20 N	2/6 <sup>1</sup>

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 <= Smaller than or equal to N/A  
Not Applicable STD DEV Standard Deviation

COMFORT



The comfort of a protective garment during use is largely determined by its weight, its permeability to vapour and air (breathability) and insulating properties. Data on these attributes is provided according to test method and, as with other data, can be compared by garment.

Property	Test Method	Typical Result	EN
Air Permeability (Gurley method)	TAPPI T460	0 s	N/A
Air Permeability (Gurley method)	TAPPI T460	Yes	N/A

2 According to EN 14126    5 Front Tyvek ® / Back    > Larger than    < Smaller than    <= Smaller than or equal to    N/A  
Not Applicable

## PENETRATION AND REPELLENCY



A specific test method, EN ISO 6530, is used to measure the indexes of penetration, absorption and repellency of protective clothing material exposed to liquid chemicals. Results listed here reflect the penetration resistance and repellency of DuPont fabrics to 30% sulphuric acid and 10% sodium hydroxide.

Property	Test Method	Typical Result	EN
Repellency to Liquids, Sodium Hydroxide (10%)	EN ISO 6530	>95 %	3/3 <sup>1</sup>
Repellency to Liquids, Sulphuric Acid (30%)	EN ISO 6530	>95 %	3/3 <sup>1</sup>
Resistance to Penetration by Liquids, Sodium Hydroxide (10%)	EN ISO 6530	<1 %	3/3 <sup>1</sup>
Resistance to Penetration by Liquids, Sulphuric Acid (30%)	EN ISO 6530	<1 %	3/3 <sup>1</sup>

<sup>1</sup> According to EN 14325    > Larger than    < Smaller than    <= Smaller than or equal to



## GARMENT PERFORMANCE



Information relating to the protective performance of a garment according to European standards where applicable. Includes important characteristics such as protection against radioactive contamination, seam strength and shelf life. Inward leakage and resistance to penetration by liquids, according to the relevant Type classification, are also detailed.

Property	Test Method	Typical Result	EN
Nominal protection factor <sup>7</sup>	EN 1073-2	>5	1 of 3 3
Seam Strength	EN ISO 13935-2	>75 N	3 of 6 1
Shelf Life <sup>7</sup>	N/A.	18 months <sup>6</sup>	N/A
Type 5: Inward Leakage <sup>11</sup>	EN ISO 13982-2	6 %	N/A
Type 5: Inward Leakage of Airborne Solid Particulates	EN ISO 13982-2	Pass	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 <= Smaller than or equal to N/A Not Applicable \* Based on lowest single value

## WARNING

- ProShield® FR model CHF5 is made of fabric that offers a limited protection against flame. Index 1 fabrics will melt and holes will be formed. The material does not constitute a thermal barrier. ProShield® FR model CHF5 must always be worn on top of under garments that are heat and flame protective garments of index 2 or 3. ProShield® FR model CHF5 must never be in direct contact with the skin.
- The antistatic properties may reduce over time. The user must ensure the dissipative performance is sufficient for the application.
- The garment does not protect against ionizing radiation.
- The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.