

DuPont™ ProShield®

Choosing the right ProShield® garment for your application is easy

ProShield® NexGen® **Comfortable barrier against aerosols** **and non-hazardous liquids**

The patented microporous technology in ProShield® NexGen® provides an effective barrier against a variety of common industrial aerosols and nontoxic liquids while still maintaining wearer comfort.

NexGen® is anti-static treated and it is ideal for many situations where dry particulate barrier and liquid repellency are needed.

Industries where NexGen® garments are worn include automotive paint, refinishing, forensics, waste clean-up and sanitation engineering.

NexGen® is available in white.

ProShield® 1 **Breathable garments for dry,** **non-hazardous, light-duty applications**

ProShield® 1 combines comfort with superior breathability and low cost.

Lightweight, soft and breathable ProShield® 1 is made from durable, anti-static treated spunbonded-meltblown-spunbonded (SMS) polypropylene. This fabric offers improved strength and splash and particulate resistance compared to many SMS products.

Choose ProShield® 1 garments for general maintenance, janitorial services, visitor garments, hospitals, food processing, or any non-hazardous environment where you need to keep clean.

When you need to combine comfort and breathability, consider using ProShield® 1.

ProShield® 1 is available in white and blue.

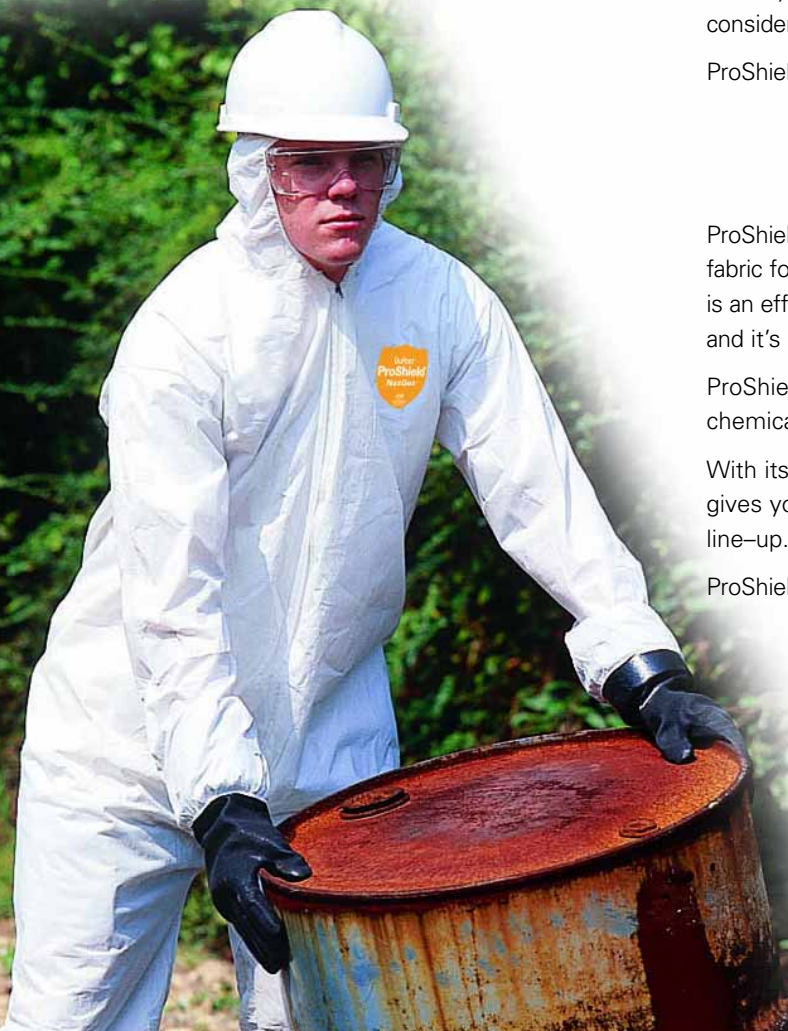
ProShield® 2 **Protection against dry particles** **and non-hazardous liquids**

ProShield® 2 combines microporous film with a non-woven fabric for improved protection and comfort. ProShield® 2 fabric is an effective barrier against particles and nonhazardous liquids and it's anti-static treated.

ProShield® 2 garments are often used by workers in process chemical handling and agricultural chemical applications.

With its combination of barrier and comfort, ProShield® 2 gives you one more way to enhance your safety apparel line-up.

ProShield® 2 is available in white.



The miracles of science™

ProShield® NexGen® ProShield® 1 and ProShield® 2

Physical Properties

PROPERTY	NEXGEN®	PROSHIELD® 1	PROSHIELD® 2
Basis Weight ASTM D751	1.8 oz/yd ²	1.8 oz/yd ²	1.8 oz/yd ²
Thickness ASTM D1117	6.8 mils	12.0 mils	10.0 mils
Breaking Strength Grab ASTM D5034	MD 24 lbs CD 18 lbs	MD 28 lbs CD 21 lbs	MD 27 lbs CD 23 lbs
Tear Strength, Trapezoid ASTM D1117	MD 6.2 lbs CD 10.3 lbs	MD 7.8 lbs CD 8.1 lbs	MD 8.3 lbs CD 14.7 lbs
Mullen Burst ASTM D3786	32 psi	54 psi	42 psi
Hydrostatic Water Resistance ASTM D3787, Procedure B	11.5 psi	–	17.7 psi
Moisture Vapor Transmission Rate TAPPI T523 (QS 87)	1508 g/m ² /day	2266 g/m ² /day	1867 g/m ² /day
Surface Resistivity–Log R ASTM D257	<9.5	<9.5	<9.5
Flammability 16 CFR 1610	Class 1	Class 1	Class 1

INDEX OF CODES:

< = Less than, – = not tested

These results are measured using the latest ASTM test methods. Results will vary due to the changes in test methods. A true test of performance is in use.

This information is based upon technical data that DuPont believes to be reliable. It is subject to revision as additional knowledge and experience are gained. DuPont makes no guarantee of results and assumes no obligation or liability in connection with this information.

It is the user's responsibility to determine the level of toxicity and the proper personal protective equipment needed. The information set forth herein reflects laboratory performance of fabrics, not complete garments, under controlled conditions. It is intended for information use by persons having technical skill for evaluation under their specific end-use conditions, at their own discretion and risk.

Anyone intending to use this information should first verify that the garment selected is suitable for the intended use. In many cases, seams and closures have shorter breakthrough times and higher permeation rates than the fabric. Please contact the garment manufacturer for specific data. If fabric becomes torn, abraded or punctured, end user should discontinue use of garment to avoid potential exposure to chemical. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, WE MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE AND ASSUME NO LIABILITY WHATSOEVER IN CONNECTION WITH ANY USE OF THIS INFORMATION.

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For more information:

Visit our website at:

www.PersonalProtection.DuPont.com

DuPont Personal Protection

Fax-On-Demand Service at 1-800-558-9329

DuPont manufactures a complete line of garments for personal protection.

For more information, call **1-800-931-3456**

WARNINGS:

- 1) ProShield® NexGen®, ProShield® 1 and ProShield® 2 are not flame-resistant and should not be used around heat, flame, sparks or in potentially flammable or explosive environments.
- 2) Garments made of ProShield® NexGen®, ProShield® 1 and ProShield® 2 should have slip-resistant or antislip materials on the outer surface of boots, shoe covers or other garment surfaces in conditions where slipping could occur.

DuPont Personal Protection

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