



**Fabric Selector Guide**

# Outer Shells

The **outer shell** represents the first line of defense for the firefighter. Its main purpose is to provide flame, thermal, and abrasion resistance to the outermost exposed area of the turnout gear system. Water shedding is also an important characteristic of outer shells and the reason that they are treated with durable water-repellant finishes.

Outer shells possess differentiating attributes that are significantly influenced by the chemistry of the fiber, the blend, and the weave. It is important to note that all outer shells meeting the NFPA standard are third-party tested to help provide firefighters with dependable protection against the hazards described above.

Selecting the right outer shell is a function of matching key attributes with the unique needs of each fire department.

DuPont™  
**Nomex.**

DuPont™  
**Kevlar.**

# Outer Shells at a Glance



Attributes	Nomex IIIA®	Advance™ *	Omni Vantage™	Advance Ultra®	Armor 7.0™	Gemini™ XT	PBI Max™	Millenia™ XT
<b>Fiber Content</b>	93% Nomex® 5% Kevlar® 2% Carbon	60% Kevlar® 40% Nomex®	40% Kevlar® 30% Basofil® 30% Nomex®	60% Kevlar® 20% Nomex® 20% PBO	75% Kevlar® 25% Nomex®	55% Kevlar® 37% PBI 8% Filament**	65% Kevlar® 35% PBI	60% Technora® 40% PBO
<b>Product Fabric Code</b>	<b>24xx</b>	<b>34xx</b>	<b>15xx</b>	<b>64xx</b>	<b>47xx</b>	<b>41xx</b>	<b>62xx</b>	<b>33xx</b>
<b>Weight (oz / yd²)</b>	7.5	7.2	7.8	7.5	7.0	7.5	7.0	7.5
<b>Weave</b>	Plain	Ripstop	Ripstop	Ripstop	Comfort-Twill	Plain	Comfort-Twill	Ripstop
<b>Yarn</b>	100% Spun	100% Spun	100% Spun	100% Spun	50% Spun/ 50% Filament	92% Spun/ 8% Filament	70% Spun/ 30% Filament	100% Spun
<b>Warranty (years)</b>	0	3	3	5	4	5	5	7
<b>Taber Abrasion Resistance</b> (ASTM D 3884, H-18 wheel, 500g weight)	Good	High	Good	High	Good	High	Good	High
<b>Tear Strength (lbs)</b> (ASTM D 5587 without slippage)	55 x 40	40 x 30	30 x 25	45 x 35	90 x 110	50 x 55	125 x 145	90 x 100
<b>Tensile Strength After 10 Launderings (lbs)</b> (ASTM D 5034)	340 x 320	450 x 400	365 x 275	565 x 560	555 x 505	380 x 345	420 x 445	570 x 565
<b>Tensile Strength After a 10-Second TPP Exposure (lbs)</b>	6 x 5	18 x 17	16 x 14	165 x 150	14 x 14	16 x 13	19 x 19	250 x 210
<b>Resistance to Water Absorption</b> (Modified AATCC 42)	Good	High	High	High	High	High	High	High
<b>Flame Resistance</b> (ASTM D 6413)	Moderate	Good	High	High	High	High	High	High
<b>Thermal Protective Performance (cal / cm²)</b> Tested with Crosstech® moisture barrier and Nomex® on Aramid batting inner liner (NFPA 1971)	39 - 42	39 - 42	44 - 47	40 - 43	39 - 42	38 - 41	40 - 43	38 - 41
<b>Outer Shell Thermal Decomposition Temperature (°F)</b>	660 - 750	660 - 900	750 - 1000	750 - 1000	660 - 900	800 - 1100	800 - 1100	1000 - 1200
<b>Price Level</b>	\$	\$\$	\$\$\$	\$\$\$	\$\$\$	\$\$\$\$	\$\$\$\$	\$\$\$\$

\* 8% black solution-dyed Fusion also available

\*\*8% Vectran in natural; 8% Technora in black

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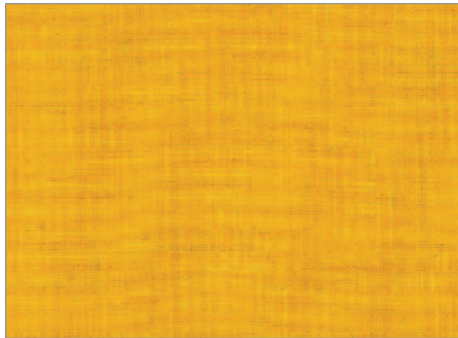
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**Good:** Exceeds in relative performance.  
**Moderate:** Average in relative performance.

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# Outer Shells

YELLOW



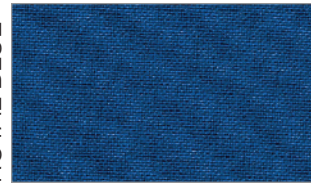
**Nomex IIIA®** – 7.5 osy  
Product Fabric Code: **24xx**

- Plain weave
- 93% Nomex®  
5% Kevlar®  
2% carbon fiber
- Most economical choice
- Balances FR properties with superior textile characteristics
- Wide selection of colors

BLACK



ROYAL BLUE



NAVY



NATURAL



KHAKI



**Advance™** – 7.2 osy  
Product Fabric Code: **34xx**

- Ripstop weave
- 60% Kevlar®  
40% Nomex®
- Proven reliable overall performance
- Good durability
- Remains supple after thermal exposure

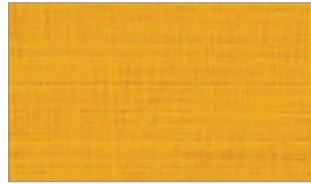
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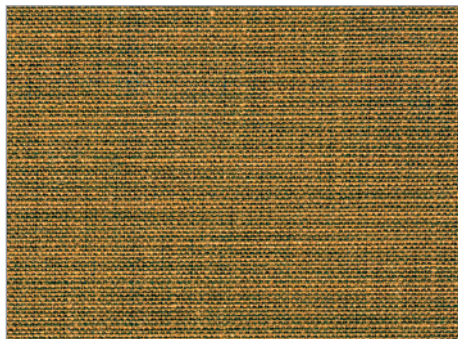
NAVY



YELLOW



GOLDEN BROWN



**Omni Vantage™** – 7.8 osy  
Product Fabric Code: **15xx**

- Ripstop weave
- 40% Kevlar®  
30% Basofil®  
30% Nomex®
- Good thermal damage tolerance
- Remains supple after thermal exposure
- Superior net effect on thermal protective performance

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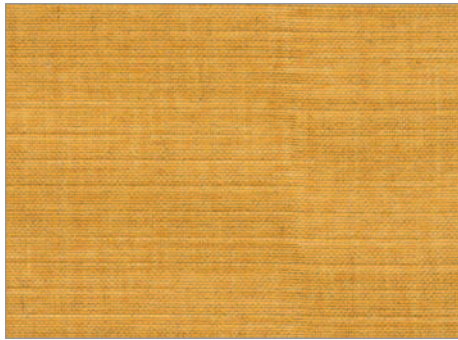


YELLOW



# Outer Shells

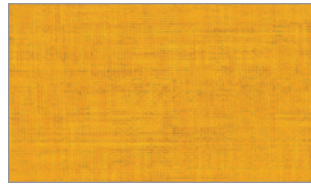
LIGHT GOLD



**Advance Ultra®** – 7.5 osy  
Product Fabric Code: **64xx**

- Ripstop weave
- 60% Kevlar®  
20% Nomex®  
20% PBO
- Balance between high performance and value
- High strength after thermal exposure
- Excellent abrasion resistance

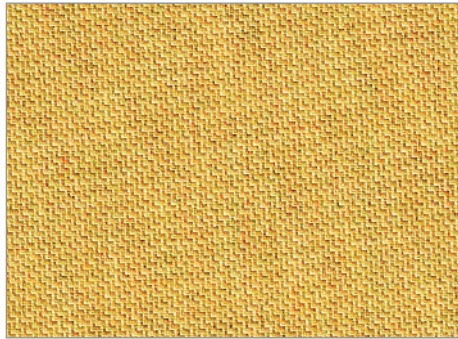
YELLOW



DARK GOLD



GOLD



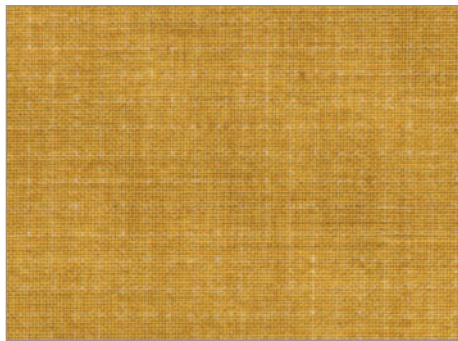
**Armor 7.0™** – 7.0 osy  
Product Fabric Code: **47xx**

- Comfort-twill weave
- 75% Kevlar®  
25% Nomex®  
multifilament technology
- Exceptional strength
- Exceptional comfort and flexibility
- Retains integrity after thermal exposure
- Excellent tear resistance

BLACK



NATURAL (BRONZE)



**Gemini XT™** – 7.5 osy  
Product Fabric Code: **41xx**

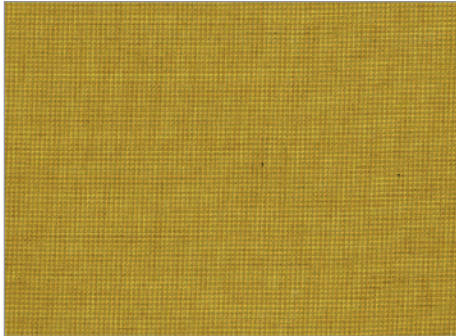
- Plain weave with filament matrix (simulated ripstop)
- 55% Kevlar®  
37% PBI  
8% Vectran® in natural; 8% Technora in black
- Remains smooth after multiple launderings
- Filament technology incorporated for improved trapezoidal tear resistance
- Retained strength and flexibility after thermal exposure

BLACK



# Outer Shells

GOLD



**PBI Max™** – 7.0 osy  
Product Fabric Code: **62xx**

- Comfort-twill weave
- 65% Kevlar®  
35% PBI
- Superior tear strength
- Exceptional comfort and flexibility
- Retains integrity after thermal exposure

BLACK



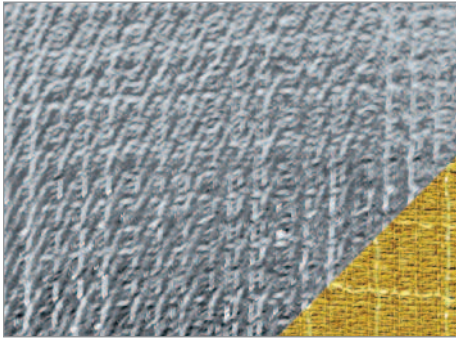
NATURAL



**Millenia™ XT** – 7.5 osy  
Product Fabric Code: **33xx**

- 60% Technora®  
40% PBO
- Superior strength and abrasion resistance
- Exceptional thermal stability
- Extreme durability and overall wear life

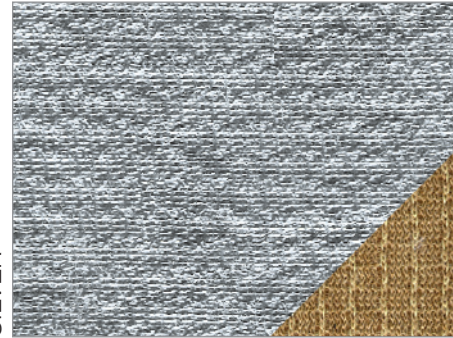
SILVER



## Z-Flex Aluminized PBI and Kevlar® – 7.4 osy Product Fabric Code: **78xx**

- 3D mock-knit substrate with aluminum laminate
- 67% Kevlar®  
33% PBI
- New weave structure delivers comfort of a knit, but strength of a woven
- Innovative 5-layer composite for durability and comfort
- Superior radiant protection, insulation, and durability

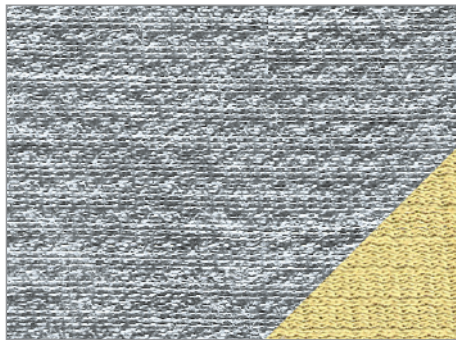
SILVER



## Aluminized PBI and Kevlar® – 7.0 osy Product Fabric Code: **76xx**

- Knit substrate with aluminum laminate
- 67% Kevlar®  
33% PBI
- Used in proximity environments where high radiant heat is encountered
- High dexterity of substrate improves wearability of aluminized layer


SILVER



## Aluminized Kevlar® – 8.5 osy Product Fabric Code: **77xx**

- Knit substrate with aluminum laminate
- 100% Kevlar®
- Used in proximity environments where high radiant heat is encountered
- Good value

# Thermal Liners



The **thermal liner** is the third layer and closest to the body – considered a critical component of the turnout system. Typically, it consists of a multi-layer combination that includes a facecloth fabric quilted to a single layer of needle punched or several layers of spunlaced batting. When combined with the moisture barrier, the inner liner is responsible for a significant part of the thermal protection (up to 70%) of a turnout system. The main function of the thermal liner is to minimize, to a safer level, the amount of heat transfer from the firefighting environment to the body of the firefighter. It follows that the thermal liner is the major contributor to the TPP (Thermal Protective Performance) rating of a turnout system.

The facecloth enhances mobility by minimizing the friction between the wearer's skin and clothing against the turnout and contributes to the effective water management for overall comfort.

DuPont™  
**Nomex.**

DuPont™  
**Kevlar.**



# Thermal Liners at a Glance



Attributes	XLT-Lite™ Chambray	Aralite® NP	Aralite® SL3	Defender® M SL2	Synergy II 2-layer	PBI ThermalGUARD™
<b>Facecloth</b>	<b>100% Nomex®</b>  3.25 osy 100% Spun Calendered	<b>100% Nomex®</b>  3.4 osy 100% Spun	<b>100% Nomex®</b>  3.4 osy 100% Spun	<b>65% Lenzing FR®</b> <b>25% Twaron®</b> <b>10% Nylon</b> 3.2 osy 100% Spun	<b>100% Nomex®</b>  3.3 osy 100% Spun Calendered	<b>Proprietary PBI Blend</b>  3.6 osy 100% Spun Calendered
<b>Batting</b>	<b>Reprocessed Aramid</b>  4.5 osy Needlepunch	<b>Aramid</b>  3.8 osy Needlepunch	<b>Kevlar® / Nomex® E-89™</b> 3-layers E-89™ Spunlace (3 x 1.5 osy)	<b>Kevlar® / Nomex® Spunlace</b> 2-layers Spunlace (2 x 2.3 osy)	<b>Kevlar® / Nomex® E-89™</b> 2-layers E-89™ Spunlace (1.5 osy + 2.3 osy)	<b>80% Aramid</b> <b>20% PBI</b> 2-layers Apertured Spunlace (1.4 osy + 1.8 osy)
<b>Product Fabric Code</b>	<b>xxNx</b>	<b>xx0x</b>	<b>xx3x</b>	<b>xxAx, xxEx</b>	<b>xxix, xxCx</b>	<b>xxWx</b>
<b>Weight (oz / yd²)</b>	7.75	7.2	8.0	7.8	7.1	6.8
<b>Water Management</b>	Absorbing	Absorbing	Absorbing	Absorbing	Absorbing	Absorbing
<b>Drying Time</b>	Long	Long	Long	Long	Long	Long
<b>Water Affinity</b> (Amount of water absorbed from spraying after 5 launderings)	High	High	High	High	High	High
<b>Facecloth Slipperiness</b> (Based on friction coefficient) Represents ease of donning / doffing and mobility	Good	Moderate	Moderate	Good	Good	Good
<b>Total Heat Loss (W/m²)</b> Tested with Crosstech® moisture barrier and Kevlar® / Nomex® outer shell (ASTM 1868)	220 - 250	235 - 265	250 - 280	265 - 295	265 - 295	270 - 300
<b>Thermal Protective Performance (cal / cm²)</b> Tested with Kevlar® / Nomex® outer shell	45 - 48	40 - 43	40 - 43	38 - 41	38 - 41	39 - 42
<b>Price Level</b>	\$	\$\$	\$\$\$	\$\$	\$\$	\$\$\$

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# Thermal Liners at a Glance



Attributes	Caldura® NPi	Caldura® SL2i	Glide™ Pure	Glide™ 2-layer	Quantum3D® SL2i	Glide™ PBI G2™
<b>Facecloth</b>	61% Kevlar® 34% Lenzing FR® 5% Nylon 3.8 osy 50% Spun / 50% Filament	61% Kevlar® 34% Lenzing FR® 5% Nylon 3.8 osy 50% Spun / 50% Filament	60% Kevlar® 26% Nomex® 14% Lenzing FR® 3.6 osy 60% Filament / 40% Spun	60% Kevlar® 26% Nomex® 14% Lenzing FR® 3.6 osy 60% Filament / 40% Spun	61% Kevlar® 34% Lenzing FR® 5% Nylon 3.8 osy 50% Spun / 50% Filament	60% Kevlar® 26% Nomex® 14% Lenzing FR® 3.6 osy 60% Filament / 40% Spun
<b>Batting</b>	Aramid 3.8 osy Needlepunch	Kevlar® / Nomex® E-89™ 2-layers E-89™ Spunlace (1.5 osy + 2.3 osy)	50% Kevlar® 50% Nomex® 4.0 osy Needlepunch	Kevlar® / Nomex® E-89™ 2-layers E-89™ Spunlace (1.5 osy + 2.3 osy)	Kevlar® / Nomex® 2-layers Spunlace (1.5 osy + 2.3 osy 3D layer)	80% Aramid 20% PBI 2-layers Apertured Spunlace (1.4 osy + 1.8 osy)
<b>Product Fabric Code</b>	<b>xx7x</b>	<b>xxQx</b>	<b>xxVx</b>	<b>xxBx</b>	<b>xxZx</b>	<b>xxHx</b>
<b>Weight (oz / yd²)</b>	7.6	7.7	7.6	7.4	7.7	6.8
<b>Water Management</b>	Wicking	Wicking	Wicking	Wicking	Wicking	Wicking
<b>Drying Time</b>	Medium	Medium	Medium	Medium	Medium	Medium
<b>Water Affinity</b> (Amount of water absorbed from spraying after 5 launderings)	Medium	Medium	Medium	Medium	Medium	Medium
<b>Facecloth Slipperiness</b> (Based on friction coefficient) Represents ease of donning / doffing and mobility	High	High	Exceptional	Exceptional	High	Exceptional
<b>Total Heat Loss (W/m²)</b> Tested with Crosstech® moisture barrier and Kevlar® / Nomex® outer shell (ASTM 1868)	220 - 250	265 - 295	225 - 255	265 - 295	250 - 280	270 - 300
<b>Thermal Protective Performance (cal / cm²)</b> Tested with Kevlar® / Nomex® outer shell	40 - 43	37 - 40	39 - 42	38 - 41	40 - 43	39 - 42
<b>Price Level</b>	\$\$\$	\$\$\$\$	\$\$\$	\$\$\$\$	\$\$\$\$\$	\$\$\$\$\$

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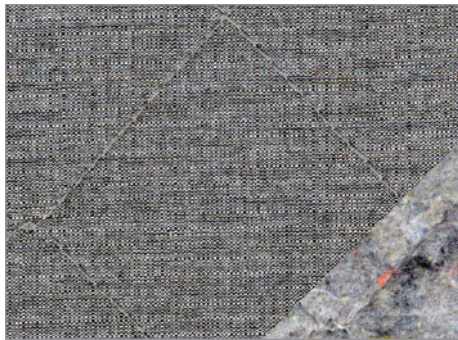
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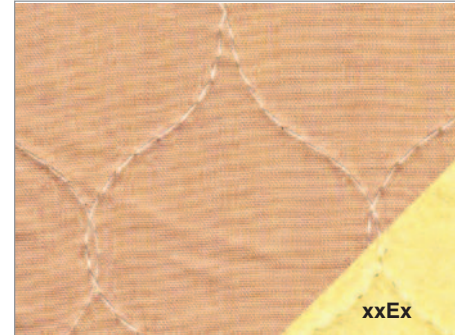
# Thermal Liners

Water Management: Facecloth	
Spun	Spun / Filament
Water absorbing (best suited in low activity)	Water wicking (best suited in low- to mid-level activity)
Traditional cloth feel	Low coefficient of friction (good mobility and ease when donning and doffing)
Slower drying time	Moderate drying
Prone to pilling	Low pilling



**XLT-Lite® Chambray** – 7.75 osy  
Product Fabric Code: **xxNx**

- Facecloth: 100% spun  
Calendered  
Plain weave
- Reprocessed aramid batting
- Absorbing liner system
- High TPP
- Economical alternative



**Defender® M SL2** – 7.8 osy  
Product Fabric Codes: **xxEx (desert sand)**  
**xxAx (camo)**

- Facecloth: 100% spun  
Plain weave
- Kevlar® / Nomex® spunlace batts
- Absorbing liner system
- High THL for better comfort



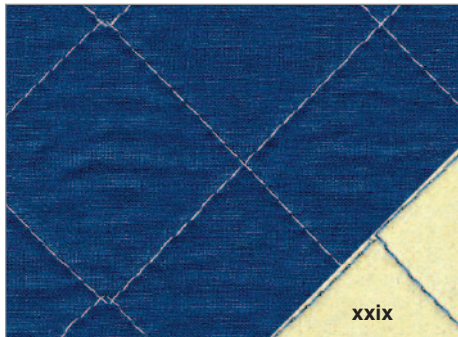
**Aralite® NP** – 7.2 osy  
Product Fabric Code: **xx0x**

- Facecloth: 100% spun  
Plain weave
- Aramid batting
- Absorbing liner system
- Good facecloth and batting durability
- Good price/value and thermal protection



**Aralite® SL3** – 8.0 osy  
Product Fabric Code: **xx3x**

- Facecloth: 100% Spun  
Plain weave
- Kevlar® / Nomex® E-89™ spunlace batts
- Absorbing liner system
- Optimal balance between THL & TPP



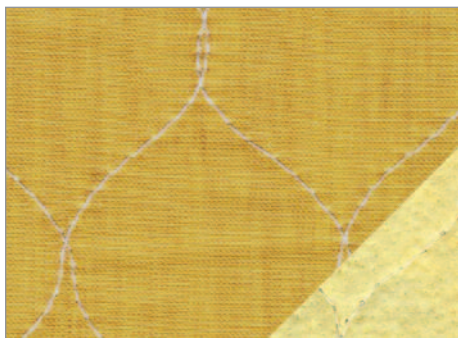
**Synergy II 2-layer** – 7.1 osy  
Product Fabric Codes: **xxix & xxCx**

- Facecloth: 100% spun Calendered Plain weave
- Kevlar® / Nomex® E-89™ spunlace batts
- Absorbing liner system
- High THL for better comfort
- Premium hand



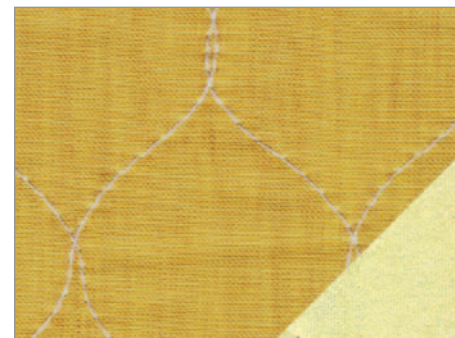
**PBI ThermalGUARD™** – 6.8 osy  
Product Fabric Code: **xxWx**

- Facecloth: 100% spun Calendered Plain weave
- PBI / Nomex® spunlace batts
- Lightweight
- High thermal resistance
- Absorbing liner system
- Optimal balance between THL & TPP



**Caldura® NPi** – 7.6 osy  
Product Fabric Code: **xx7x**

- Facecloth: 50% spun / 50% filament Twill weave
- Aramid batting
- Wicking liner system
- Versatile performance with good facecloth durability
- An economical filament system



**Caldura® SL2i** – 7.7 osy  
Product Fabric Code: **xxQx**

- Facecloth: 50% spun / 50% filament Twill weave
- Kevlar® / Nomex® E-89™ spunlace batts
- Wicking liner system
- High THL for better comfort
- Good slipperiness for easier donning and doffing



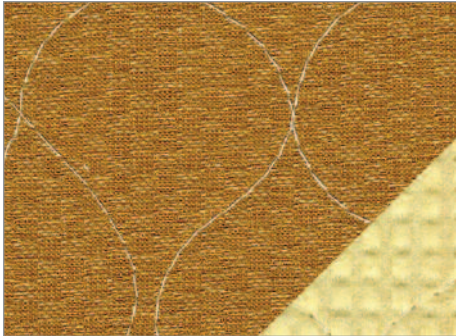
**Glide™ Pure** – 7.6 osy  
Product Fabric Code: **xxVx**

- Facecloth: 60% filament / 40% spun Twill weave
- Kevlar® / Nomex® needlepunch batt
- Wicking liner system
- Optimal balance between THL & TPP
- Exceptional slipperiness for easier donning and doffing



**Glide™ 2-layer** – 7.4 osy  
Product Fabric Code: **xxBx**

- Facecloth: 60% filament / 40% spun Twill weave
- Kevlar® / Nomex® E-89™ spunlace batts
- Wicking liner system
- High THL for better comfort
- Exceptional slipperiness for easier donning and doffing



## **Quantum3D® SL2i** – 7.7 osy

Product Fabric Code: **xxZx**

- Facecloth: 50% spun / 50% filament  
Checked box weave
- Kevlar® / Nomex® spunlace batts  
3D layer + flat layer
- Wicking liner system
- Increased TPP over standard 2-layer  
spunlace batts
- High THL for better comfort

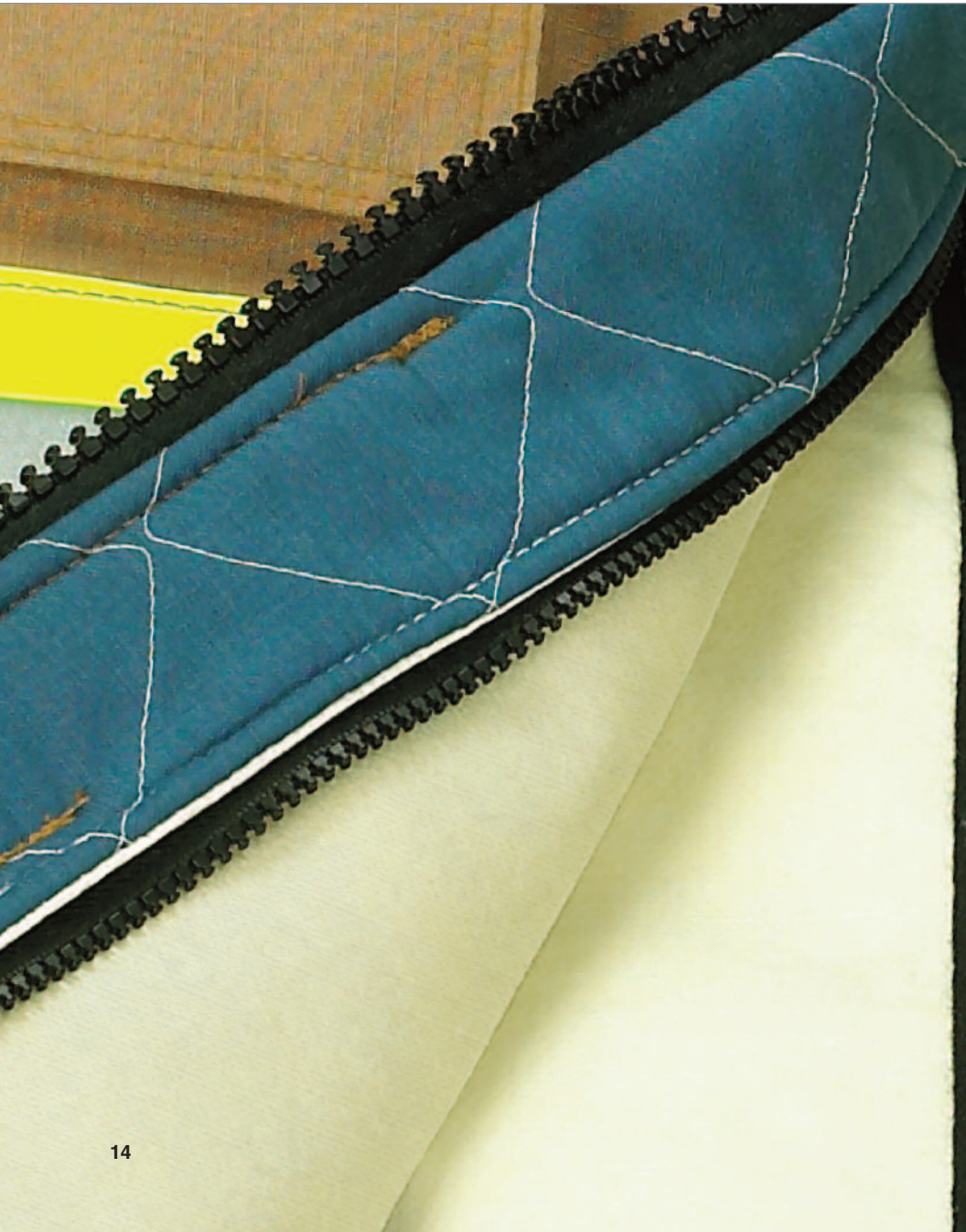


## **Glide™ PBI G2™** – 6.8 osy

Product Fabric Code: **xxHx**

- Facecloth: 60% filament / 40% spun  
Twill weave
- 80% Nomex® / 20% PBI spunlace batts
- Exceptional thermal resistance
- Wicking liner system
- Exceptional slipperiness for easier donning  
and doffing

# Moisture Barriers



The **moisture barrier** is the second layer of the turnout gear system, consisting primarily of a barrier laminated to a fabric substrate.

The barrier layer is designed to permit the transfer of perspiration vapor while blocking external liquid penetration. The fabric substrate acts to protect the barrier and contributes marginally to the overall thermal protection.

Moisture barriers allow body heat in the form of perspiration vapor to escape for heat stress relief. They also provide liquid penetration resistance against blood, body fluids, NFPA common chemicals\*, and water, helping the firefighter stay dry and protected. When tested in comparison to a urethane-only barrier technology, an expanded polytetrafluoroethylene (ePTFE) combination barrier provides higher levels of breathability and durability.

Lightweight moisture barriers that use Nomex® and Kevlar® nonwoven and woven substrates offer enhanced comfort.

\* NFPA Common Chemicals:

- (1) Aqueous film-forming foam (AFFF), 3 percent concentrate
- (2) Battery acid (37 percent by weight sulfuric acid to water)
- (3) Fire-resistant hydraulic fluid, phosphate ester base
- (4) Surrogate gasoline fuel C as defined in ASTM D 471, Standard Test Method or Rubber Property-Effect of Liquids, a 50/50 percent by volume of toluene and iso-octane
- (5) Swimming pool chlorinating chemical containing at least 65 percent free chlorine (saturated solution)

# Moisture Barriers at a Glance



Attributes	Crosstech® Black Moisture Barrier	Gore® RT7100 Moisture Barrier	Stedair® 4000	Stedair® 3000	Stedair® Gold
<b>Manufacturer</b>	W.L. Gore	W.L. Gore	Stedfast	Stedfast	Stedfast
<b>Product Fabric Code</b>	<b>xxx3</b>	<b>xxx0</b>	<b>xxxG</b>	<b>xxxD</b>	<b>xxxN</b>
<b>Weight (oz / yd<sup>2</sup>)</b>	4.7	4.6	5.5	5.2	5.2
<b>Film</b>	Bi-component ePTFE/FR PU	Bi-component ePTFE/FR PU	Bi-component ePTFE/FR PU	Bi-component ePTFE/FR PU	Bi-component ePTFE/FR PU
<b>Fabric Substrate</b>	100% Nomex IIIA® Woven Pajama-check	15% Kevlar® / 85% Nomex® Needle Punched Non-woven	100% Nomex IIIA® Woven Pajama-check	33% Kevlar® / 67% Nomex® E-89™ Non-woven Spunlace	80% Nomex IIIA® / 20% PBI Woven Pajama-check
<b>Warranty (Years)</b>	3.5 Material and Labor	3 Materials	4 Material and Labor	3 Material and Labor	4 Material and Labor
<b>Total Heat Loss (W/m<sup>2</sup>)</b> Tested with various outer shell fabrics and Nomex® on aramid batting inner liner (ASTM F 1868)	250 - 280	235 - 265	260 - 290	235 - 265	260 - 290
<b>Thermal Protective Performance (cal / cm<sup>2</sup>)</b> Tested with various outer shell fabrics and Nomex® on aramid batting inner liner (NFPA 1971)	37 - 40	40 - 43	39 - 41	42 - 45	40 - 43
<b>Substrate Durability</b>	High	Moderate	High	Moderate	High
<b>Film Durability</b>	High	Good	High	Good	High
<b>Price Level</b>	\$\$\$	\$\$	\$\$\$	\$\$	\$\$\$\$

Typical values contained herein based on laboratory tests. All values are averages, based on several determinations, and should be used as a reference only. Laboratory values may not be reliable for determining, evaluating, predicting, or describing performance under actual fire conditions, whether used alone or in combination with other products. Further information and actual reported values are available upon request.

To the best of our knowledge, the information contained herein is accurate. However, before using any of these products in actual firefighting situations, you must evaluate the product thoroughly, follow all instructions and undergo all training relating to such product, and determine if the product is suitable for the intended application. We have described the hazards of which we are aware, but we cannot guarantee that these are the only hazards. Failure to follow all product instructions and undergo all applicable training could lead to serious personal injury or death. Honeywell First Responder Products assumes no liability whatsoever for the accuracy or completeness of the information contained herein.

**High:** Far exceeds in relative performance.  
**Good:** Exceeds in relative performance.  
**Moderate:** Average in relative performance.

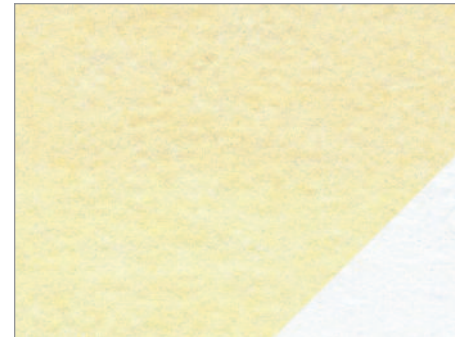
All weights are nominal.





**Crosstech® Black  
Moisture Barrier** – 4.7 osy  
Product Fabric Code: **xxx3**

- ePTFE-based film laminated to Nomex IIIA® woven pajama-check substrate
- Superior liquid penetration resistance
- Exceptional heat-stress relief and durability
- Enhanced bi-component technology
- Breathability does not decrease after high heat exposure



**Gore® RT7100  
Moisture Barrier** – 4.6 osy  
Product Fabric Code: **xxx0**

- ePTFE-based film laminated to Kevlar® / Nomex® needle punched non-woven substrate
- Bi-component film technology
- Liquid penetration resistant
- Cost-competitive alternative
- Breathability does not decrease after high heat exposure



**Stedair® 4000** – 5.5 osy  
Product Fabric Code: **xxxG**

- ePTFE-based film laminated to Nomex IIIA® woven pajama-check substrate
- Exceptional breathability and durability
- ePTFE film with hydrophilic and oleophobic polymer layer
- Breathability does not decrease after abrasion



**Stedair® 3000**  
5.2 osy  
Product Fabric Code: **xxxD**

- ePTFE-based film laminated to Kevlar® / Nomex® E-89™ non-woven substrate
- ePTFE film with hydrophilic and oleophobic polymer layer
- Very good breathability
- Good price / value
- Breathability does not decrease after abrasion

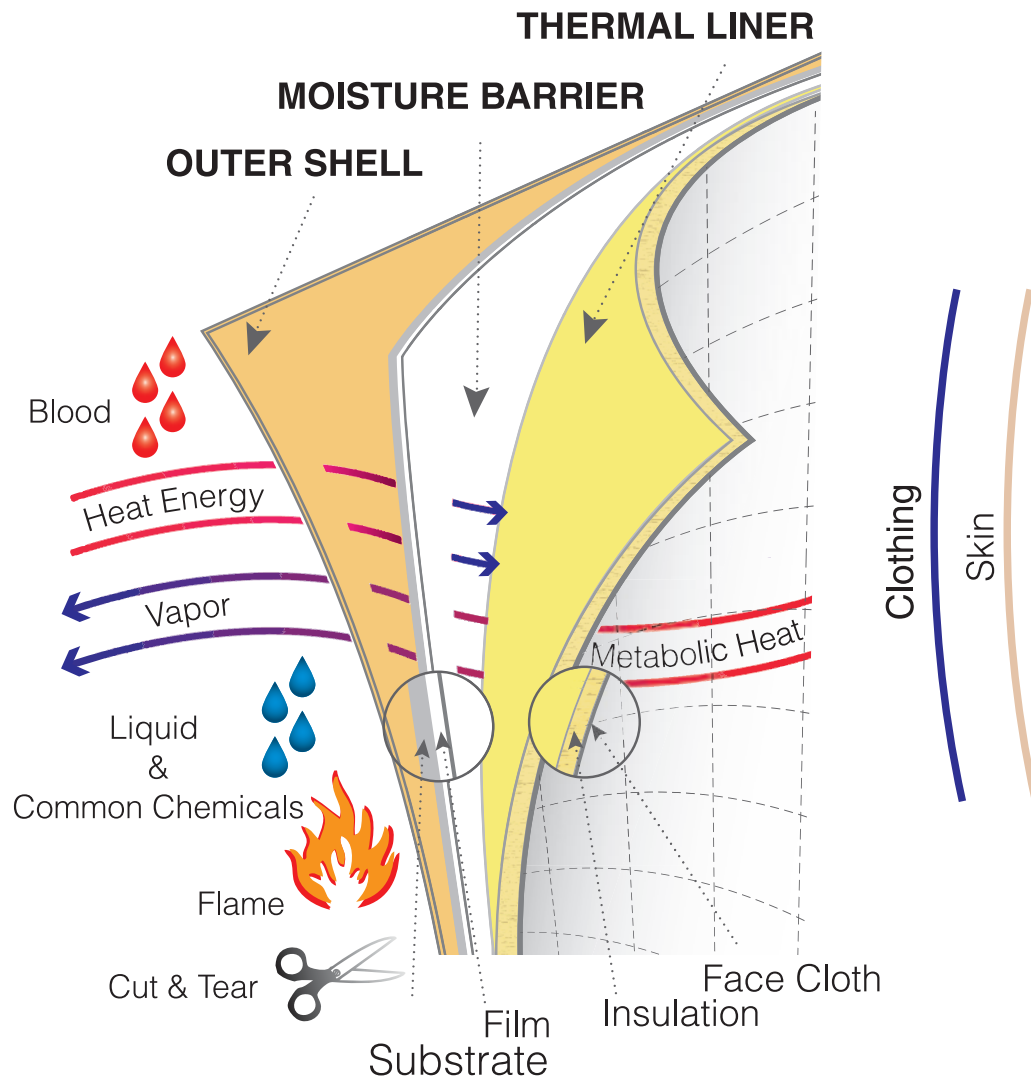


**Stedair® Gold** – 5.2 osy  
Product Fabric Code: **xxxN**

- ePTFE-based film laminated to Nomex IIIA® woven pajama-check substrate
- High substrate thermal resistance
- Exceptional breathability and durability
- ePTFE film with hydrophilic and oleophobic polymer layer
- Limited number of certified composites available
- Breathability does not decrease after abrasion



# Turnout Gear System



Performance characteristics of turnout gear are determined by the choice of combined fabric components. Fire-protective clothing typically consists of three layers: outer shell, moisture barrier, and thermal liner. Each layer serves specific multiple functions and, as a composite, is expected to help provide the firefighter with adequate heat, flame, liquid, chemical, and mechanical protection.

DuPont™ Nomex® and Kevlar® provide proven protection, durability and comfort from the inside out. 70% of a turnout's thermal protection comes from the inner components of DuPont™ Nomex® and Kevlar®.

## General Performance Criteria

Protection:

- Thermal, chemical, viral, cut, durability
- Tensile, tear, UV, safety, comfort
- Breathability, weight, dryness, mobility, fit, minimal life-cycle cost
- Initial price + maintenance costs

**Exclusive Corporate Sponsor**



Honeywell is proud to be the exclusive corporate sponsor of the United States Fire Administration/National Fallen Firefighters Foundation's National Fire Service Vulnerability Assessment Project.

**Proudly Supporting**



IAFC  
International Association of Fire Chiefs



The IAFF Fire Fighters Burn Foundation



Firefighter Cancer Support Network



International Association of Black Professional Fire Fighters



International Association of Women in Fire & Emergency Services



NFFF  
National Fallen Firefighters Foundation



NVFC  
National Volunteer Fire Council



FDSOA  
Fire Department Safety Officers Association



Congressional Fire Services Institute



ISFSI  
International Society of Fire Service Instructors



NFPA  
National Fire Protection Association



FEMSA  
Fire Equipment Manufacturers & Suppliers Association



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