



Bruck
Textiles

Wildfire

Protection - Comfort - Integrity - Durability



Bruck Textiles

www.brucktextiles.com.au

The BRUCK Wildfire range minimum performance data:

Property	Method	Performance
Flame Spread -Surface Ignition ¹	ISO 15025 Procedure A	No hole formation No molten or flaming debris Average afterflame ≤ 2s Average afterglow ≤ 2s
Flame Spread -Edge Ignition ¹	ISO 15025 Procedure B	No molten or flaming debris Average afterflame ≤ 2s Afterglow shall not spread Char length ≤ 100 mm
Heat Transfer (Radiation)	ISO 6942 Method B @ 20 kW/m ²	$t_{24} \geq 11s$ TF ≤ 70% $t_{24} - t_{12} \geq 4s$
Heat Resistance	ISO 17493 5 minutes @ 260 °C	No melt No drip No ignition Shrinkage ≤ 10%
Thermal Resistance	ISO 11092	≤ 0.055 m ² K/W
Water Vapour Resistance	ISO 11092	≤ 10 m ² Pa/W
Dimensional Change	ISO 5077	≤ 3% warp and weft
BRUCK Wildfire fabrics meet the requirements of AS/NZS 4824		

¹After pretreatment according to ISO 6330:2000 Procedure 2A, E: PROBAN® fabric after 50 cleaning cycles; PBI® and Nomex® blend fabrics 5 cleaning cycles.

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PBI TRIGUARD™ is a trademark of PBI Performance Products, Inc. Nomex® is a registered trademark of E. I. du Pont de Nemours and Company or its affiliates. Lenzing™ FR is a registered trademark of Lenzing AG. PROBAN® is a registered trademark of Solvay Operations.

Fabric	Composition	Width [cm]	Weight [g/m²]	Weave	Tensile Strength ISO 13934-1 [N]	Tear Strength ISO 4674-1 Method B [N]
PBI TRIGUARD™	50% Micro Twaron® 30% Lenzing™ FR 20% PBI®	147	200	2/1 Twill	warp > 1200 weft > 1200	warp > 45 weft > 55
COMFORT ADVANTAGE® 150	Nomex® Comfort	147	150	Plain	warp > 800 weft > 550	warp > 45 weft > 35
COMFORT ADVANTAGE® 175	Nomex® Comfort	147	175	Twill Rip-resist	warp > 1050 weft > 690	warp > 65 weft > 55
COMFORT ADVANTAGE® 200	Nomex® Comfort	147	200	Twill Rip-resist	warp > 1300 weft > 750	warp > 74 weft > 65
COMFORT ADVANTAGE® 260	Nomex® Comfort	147	260	2/1 Twill	warp > 1800 weft > 1000	warp > 130 weft > 130
SHIELD® 165	Nomex® Comfort	147	165	Plain	warp > 800 weft > 650	warp > 50 weft > 40
SHIELD® 175	Nomex® Comfort	147	175	Plain Rip-resist	warp > 850 weft > 690	warp > 65 weft > 60
SHIELD® 200	Nomex® Comfort	147	200	Twill Rip-resist	warp > 1100 weft > 780	warp > 50 weft > 45
SENTINEL® 165	50% Nomex® 50% Lenzing™ FR	147	165	Plain	warp > 550 weft > 470	warp > 25 weft > 20
SENTINEL® 200	70% Nomex® 30% Lenzing™ FR	147	200	Plain	warp > 840 weft > 620	warp > 45 weft > 40
SENTINEL® 220P	70% Nomex® 30% Lenzing™ FR	147	220	Plain	warp > 930 weft > 650	warp > 45 weft > 30
XEMPLAR PRO®	70% Nomex® 30% Lenzing™ FR	147	240	Twill Rip-resist	warp > 1100 weft > 700	warp > 40 weft > 40
BRUCK RIGGER™ Proban®	100% Proban® Cotton	147	340	3/1 Twill	warp > 850 weft > 820	warp > 25 weft > 45
BRUCK CRUISER™ Proban®	100% Proban® Cotton	147	300	3/1 Twill	warp > 840 weft > 475	warp > 20 weft > 20

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For over 50 years DuPont™ Nomex® fabric has been synonymous with firefighter protection. Not only does Nomex® bring inherent flame retardant properties to protective clothing, it also delivers lighter, tougher and more breathable fabrics that meet the continually evolving performance needs for safety and comfort. Bruck is the only weaver of Nomex® fabrics in Australasia and the exclusive manufacturer of COMFORT ADVANTAGE®, SHIELD® and SENTINEL® – fabrics developed specifically to protect wildland firefighters.



For comfort and value, Cotton is hard to beat and for the world's most reliable treatment for flame retardant performance Bruck chooses to work exclusively with PROBAN® solutions. Produced in Australia, the BRUCK fabric range of 100% Cotton and Cotton rich blends give you the assurance of lasting performance and ease of wear that only PROBAN® treated fabric can offer.

At Bruck, our focus is on your safety, protection and comfort. It is this commitment that drives our investments and innovation in protective fabrics.

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