



Bruck
Textiles



Wildfire

Protection - Comfort - Integrity - Durability



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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
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 4824-2006 Results according to ISO 16073 available 2011.		

¹After pretreatment according to ISO 6330:2000 Procedure 2A, E: Proban[®] fabric after 50 cycles; Nomex[®] fabric after 5 cycles.

BRUCK CRUISER™ Proban[®], BRUCK RIGGER™ Proban[®], BRUCK ENDURANCE™, MELBA COMFORT ADVANTAGE[®], MELBA SHIELD[®], MELBA SENTINEL[®] are trademarks and registered trademarks of Bruck Textiles Pty Ltd.

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 Rhodia UK Limited.

Fabric	Composition	Width [cm]	Weight [g/m ²]	Weave	Tensile Strength ISO 13934-1 [N]	Tear Strength ISO 4674-1 Method B [N]
MELBA COMFORT ADVANTAGE® 150	Nomex® Comfort	147	150	Plain	warp > 870 weft > 680	warp > 75 weft > 68
MELBA COMFORT ADVANTAGE® 175	Nomex® Comfort	147	175	Twill Rip-resist	warp > 1100 weft > 720	warp > 75 weft > 80
MELBA COMFORT ADVANTAGE® 200	Nomex® Comfort	147	200	Twill Rip-resist	warp > 1400 weft > 790	warp > 74 weft > 65
MELBA COMFORT ADVANTAGE® 260	Nomex® Comfort	147	260	2/1 Twill	warp > 1960 weft > 1060	warp > 110 weft > 90
MELBA SHIELD® 165	Nomex® Comfort	147	165	Plain	warp > 860 weft > 680	warp > 40 weft > 30
MELBA SHIELD® 175	Nomex® Comfort	147	175	Plain Rip-resist	warp > 900 weft > 690	warp > 45 weft > 40
MELBA SHIELD® 200	Nomex® Comfort	147	200	Twill Rip-resist	warp > 1200 weft > 780	warp > 50 weft > 45
MELBA SENTINEL® 165	50% Nomex® 50% Lenzing FR®	147	165	Plain	warp > 570 weft > 460	warp > 20 weft > 20
MELBA SENTINEL® 200	70% Nomex® 30% Lenzing FR®	147	200	Plain	warp > 830 weft > 580	warp > 25 weft > 20
MELBA SENTINEL® 220P	70% Nomex® 30% Lenzing FR®	147	220	Plain	warp > 1000 weft > 650	warp > 30 weft > 25
MELBA SENTINEL® 220R	70% Nomex® 30% Lenzing FR®	147	220	Plain Rip-resist	warp > 1000 weft > 650	warp > 40 weft > 35
BRUCK RIGGER™ Proban®	100% Proban® Cotton	147	340	3/1 Twill	warp > 1020 weft > 600	warp > 25 weft > 25
BRUCK CRUISER™ Proban®	100% Proban® Cotton	147	300	3/1 Twill	warp > 970 weft > 560	warp > 25 weft > 25
BRUCK ENDURANCE™MW	88% Proban® Cotton 12% HT Nylon	147	265	2/1 Twill	warp > 840 weft > 600	warp > 25 weft > 29

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Bruck has a proud history of protecting firefighters and is dedicated to providing the widest range of high performance fabrics that meet and exceed your performance requirements. Our fabrics see action in diverse terrains and climates so our range reflects the specific needs of you, our customer.



For comfort and value, Cotton is hard to beat and for the world's most reliable treatment for flame retardant performance Bruck chose 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.

For over 40 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 MELBA COMFORT ADVANTAGE®, MELBA SHIELD® and MELBA SENTINEL® - fabrics developed specifically to protect wildland firefighters.

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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