



Bruck
Textiles

Wildland

Protection - Comfort - Integrity - Durability



Bruck Textiles

www.brucktextiles.com.au

Fabric	Composition	Width [cm]	Weight [g/m ²]	Weave	Tensile Strength ² ISO 13934-1 [N]	Tear Strength ² ISO 13937-2 [N]
PBI TRIGUARD™	50% Micro Twaron® 30% Lenzing™ FR 20% PBI®	147	200	2/1 Twill	warp > 990 weft > 780	warp > 30 weft > 30
COMFORT ADVANTAGE® 150	Nomex® Comfort	147	150	Plain	warp > 780 weft > 700	warp > 30 weft > 25
COMFORT ADVANTAGE® 200	Nomex® Comfort	147	200	Twill Rip-resist	warp > 1100 weft > 700	warp > 55 weft > 40
COMFORT ADVANTAGE® 260	Nomex® Comfort	147	260	Twill Rip-resist	warp > 1700 weft > 1100	warp > 100 weft > 90
SHIELD® II 150	Nomex® Comfort	147	150	Plain	warp > 800 weft > 600	warp > 25 weft > 25
SHIELD® 200	Nomex® Comfort	147	200	Twill Rip-resist	warp > 960 weft > 740	warp > 40 weft > 40
SENTINEL® 200	70% Nomex® 30% Lenzing™ FR	147	200	Plain	warp > 740 weft > 615	warp > 25 weft > 25
SENTINEL® 220P	70% Nomex® 30% Lenzing™ FR	147	220	Plain	warp > 850 weft > 620	warp > 25 weft > 25
XEMPLAR PRO®	70% Nomex® 30% Lenzing™ FR	147	240	Twill Rip-resist	warp > 950 weft > 650	warp > 30 weft > 30
XCELL 260®	100% PROBAN® Cotton	147	260	Hopsack	warp > 940 weft > 730	warp > 30 weft > 30

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The BRUCK Wildland range minimum performance data:

Property	Method	Performance
Flame Spread -Surface Ignition ¹	ISO 15025 Procedure A	No flame spread to upper or verticle edge No hole formation No molten or flaming debris After afterflame ≤ 2s After afterglow ≤ 2s
Flame Spread -Edge Ignition ¹	ISO 15025 Procedure B	No flame shall reach the upper or verticle edge No molten or flaming debris After afterflame ≤ 2s Average afterglow ≤ 2s Char length ≤ 100 mm
Heat Transfer (Radiation) ¹	ISO 6942 Method B @ 20 kW/m ²	$t_{24} \geq 11s$ $t_{24} - t_{12} \geq 4s$ TF ≤ 70%
Heat Resistance ²	ISO 17493 5 minutes @ 260 °C	No melt No drip No ignition Shrinkage ≤ 10%
Thermal Resistance ³	ISO 11092	≤ 0.055 m ² K/W
Water Vapour Resistance ³	ISO 11092	≤ 10 m ² Pa/W
Dimensional Change ²	ISO 5077	≤ 3% warp and weft
Abrasion Resistance ²	AS 2001.2.25.2 @ 12 kpa	≥ 20,000 rubs
BRUCK Wildland fabrics meet the requirements of AS/NZS 4824		

¹As received and after pretreatment

²After pretreatment

³As received

* Pretreatment: 5 cleaning cycles according to ISO 6330 6N, F.