



Quality Ref:	Protal 1
Composition:	Protal
Weight:	250gsm
Colour:	Navy

TECHNICAL DATA SHEET

	Test Method		Requirement	RESULT
Arc Rating	IEC 61482-1-1	ATPV		9.8 cal/cm ²
Heat Resistance	ISO 17943	Warp	<5.0%	-2.9%
		Weft	<5.0%	-2.9%
Flame Test	EN ISO 15025			A1
Heat Transmission	ISO 9151			B1
Radiant Heat	EN ISO 6942			C1
Tensile Strength	EN ISO 13934-1	Warp	> 300 N	770 N
		Weft	> 300 N	532 N
Tear Strength	EN ISO 13937-2	Warp	> 10 N	31 N
		Weft	> 10 N	32 N
Martindale Abrasion	ISO 12947-2			14,000
Colorfastness to Light	ISO 105 B02: Navy			4/5
Chromaticity	EN20471: High Vis Yellow		Pass	Pass
Charge Decay	EN 1149-3		Pass	Pass
Dimensional Stability	EN ISO 5077 after 5 wash/dry cycles	Warp	+/- 3.0%	-1.5%
		Weft	+/- 3.0%	-0.5%
	EN ISO 5077 after 25 wash/dry cycles	Warp	+/- 3.0%	-0.5%
		Weft	+/- 3.0%	-0.5%

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** Please note that the above data apart from EN20471 is based on testing of a typical 250gsm Navy fabric.

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