Centre Court
Meridian Business Park, Leicester
LE19 1WD, United Kingdom

Tel: +44 (0) 116 263 0330
Fax: +44 (0) 116 263 0311/12
Web: www.intertek.com/consumergoods

TEST REPORT

NUMBER : LECFI00322054 DATE: 19/12/2011

Applicant: Henderson Textiles Co Ltd
Regent Road
Heaviley
Stockport
Cheshire
SK2 6EB

For the attention of Paul Henderson

Sample Received : 08/11/2011

Your Reference: PHC 21110

Specification: EN343: 2003 + A1: 2007

Components:

Sample Description: Polyester 300 Denier PU Coated BPU

Notes: Colour: Flo Yellow & Flo Orange
Fibre Content: 200gsm/m² - 100% Polyester
Quality: P200-BPU

Tests Conducted	Method	Sample	Pass/Fail
Tensile Strength	BS EN ISO 1421		Pass
Tear Strength	ISO 4674-A1		Pass
^Dimensional Stability to Washing	BS EN ISO 6330		Pass
Water Vapour Resistance	BS EN 31092/ ISO 11092		Class 3
^Hydrostatic Head	BS EN 20811/ ISO 811		Class 2
^Hydrostatic Head – After Washing	BS EN 20811/ ISO 811 & BS EN ISO 6330		Class 3
Hydrostatic Head – After Flexing	BS EN 20811/ ISO 811 & EN ISO7854MtdC		Class 3
^Hydrostatic Head – After Abrasion	BS EN 20811/ ISO 811 & EN 530		Class 2
^^Hydrostatic Head – After Fuel	BS EN 20811/ ISO 811		Class 3
^^Hydrostatic Head – After Oil	BS EN 20811/ ISO 811		Class 3

RESULTS: See attachment

Unmarked tests included in this report are on our UKAS Scope 0947.
Tests marked (^) in this Report are included on Intertek Labtest Leigh UKAS Scope 1516.
Tests marked (^^) in this Report are included in the UKAS Scope of the sub-contractor who performed the test.
Tests marked (*) in this Report are not included in our UKAS Scope.
Tests marked (**) in this Report are not included in the UKAS Scope for the sub-contractor who performed the test.
Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.

Note: A sub-contractor whose certification comes under the ILAC agreement would also be marked in the same manner as a UKAS sub-contractor.

BEN PEARCE
Technical Support Specialist

Intertek

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8013 TENSILE STRENGTH
BS EN ISO 1421:1999

SAMPLE	RESULTS		REQUIREMENTS	
	WARP	WEFT	WARP	WEFT
300 Denier PU Coated BPU	1316 N	876 N	>450 N	>450 N

8014 TEAR STRENGTH
ISO 4674-1: 1977
Method A1

SAMPLE	RESULTS		REQUIREMENTS	
	WARP	WEFT	WARP	WEFT
300 Denier PU Coated BPU	125.5 N	129.0 N	25 N	25 N

8009 DIMENSIONAL STABILITY TO WASHING
BS EN ISO 6330: 2000
Prepared in accordance with BS EN 25077 and BS EN ISO 3759:1995
Cross Reference: LEC FI00 322053

SAMPLE	Wash Cycle: x5 5A@40°C Line Dry		REQUIREMENTS	
	% DIMENSIONAL CHANGE LENGTH	% DIMENSIONAL CHANGE WIDTH	LENGTH	WIDTH
300 Denier PU Coated BPU	-1.1	-0.5	±3%	±3%

8017 WATER VAPOUR RESISTANCE
BS EN 31092: 1994/ISO 11092: 1993 Textiles. Determination of Physiological Properties.
Measurement of water vapour resistance under steady-state conditions (sweating guarded-hotplate test)

SAMPLE	RET (M^2PA/W)				REQUIREMENTS
	SAMPLE 1	SAMPLE 2	SAMPLE 3	AVERAGE	
300 Denier PU Coated BPU	16.64	15.81	15.33	15.93	Class 1 >40 Class 2 20<Ret≤40 Class 3 ≤20

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8018 ^HYDROSTATIC HEAD
BS EN 20811: 1992/ ISO 811: 1981

SAMPLE	RESULTS	REQUIREMENTS
300 Denier PU Coated BPU	**Test Conditions: 20°C +/-2°C, 65% +/-2% rh** **Specimen Size: 100cm²** **Rate of Rise: (980+/-50) Pa/min** **Results taken after the appearance of 1 spot of water**	Class 1 ≥ 8,000 Pa
	Lowest Results >13,000 Pa	

8019 ^HYDROSTATIC HEAD
BS EN 20811: 1992/ ISO 811: 1981

SAMPLE	RESULTS	REQUIREMENTS
300 Denier PU Coated BPU	**Test Conditions: 20°C +/-2°C, 65% +/-2% rh** **Specimen Size: 100 cm²** **Rate of Rise: (980+/-50) Pa/min** **Results taken after the appearance of 1 spot of water**	Class 2 ≥ 8,000 Pa Class 3 ≥ 13000 Pa.
	AFTER: x5 5A@40°C Line Dry	
	Lowest Results >13,000 Pa	

8019 HYDROSTATIC HEAD
BS EN 20811: 1992/ ISO 811: 1981

SAMPLE	RESULTS	REQUIREMENTS
300 Denier PU Coated BPU	**Test Conditions: 20°C +/-2°C, 65% +/-2% rh** **Specimen Size: 100 cm²** **Rate of Rise: (980+/-50) Pa/min** **Results taken after the appearance of 1 spot of water**	Class 2 ≥8,000 Pa Class3 ≥13,000 Pa
	AFTER: Flexing 9,000 Cycles	
	Lowest Results >13,000 Pa	

8019 ^HYDROSTATIC HEAD
BS EN 20811: 1992/ ISO 811: 1981

SAMPLE	RESULTS	REQUIREMENTS
300 Denier PU Coated BPU	**Test Conditions: 20°C +/-2°C, 65% +/-2% rh** **Specimen Size: 100 cm²** **Rate of Rise: (980+/-50) Pa/min** **Results taken after the appearance of 1 spot of water**	Class 2 ≥8,000 Pa Class3 ≥13,000 Pa
	AFTER: Abrasion – 1000 Cycles	
	Lowest Results 11,000 Pa	

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8028	^^HYDROSTATIC HEAD AFTER PRETREATMENT BS EN 20811: 1992 / ISO 811: 1981 Method A1	
SAMPLE	**RESULTS**	**REQUIREMENTS**
300 Denier PU Coated BPU	**Test Conditions: 20°C +/-2°C, 65% +/-4% rh** **Specimen Size: 100 cm²** **Rate of Rise: 980 ±50 Pa/min** **Results taken after the appearance of 1 spot of water**	Class 2 ≥ 8,000 Pa Class 3 ≥ 13,000 Pa
	AFTER: Fuel	
	Lowest Results >13,000 Pa	

8029	^^HYDROSTATIC HEAD BS EN 20811: 1992 / ISO 811: 1981	
SAMPLE	**RESULTS**	**REQUIREMENTS**
300 Denier PU Coated BPU	**Test Conditions: 20°C +/-2°C, 65% +/-4% rh** **Specimen Size: 100 cm²** **Rate of Rise: 980 ±50 Pa/min** **Results taken after the appearance of 1 spot of water**	Class 2 ≥ 8,000 Pa Class 3 ≥ 13,000 Pa
	AFTER: Oil	
	Lowest Results >13,000 Pa	