

SIMLU HOLDINGS



LIGHTNING $\mathcal{X}$ FIRE FIGHTING SUIT

THE DESIGN

- The suit consists of a tunic and trousers.
- Each garment consists of a composite of an outer shell, moisture barrier, and thermal barrier.
- The suits are available in 8 sizes labeled: X Small / Small / Medium / Large / XL / 2XL / 3XL / 4XL
- The garment has no metal clips or rivets.

MATERIAL COMPOSITION

Outer Material, the shell:

- 240 gsm – Nomex® Rip-stop Fibre composition: 60% Kevlar®/39% Nomex/1% Carbon – meets BS.EN 469:2005/2020 and EN 533:1997 Level 3
- Ask for Ricotest report - 3811212/E
- Black in colour
- The fabric shall withstand at least 3000 cycles @ (200N x 200N) on the Taber Abrasion Machine without the material holing (90% of material weight retained).
- Only yarns guaranteed by the manufacturer to 360° C and SABS shall be used.
- Yarns to be of same colour as outer material
- All raw edges and seams shall be over locked by using at least five (5) strands of yarn.

THE MOISTURE BARRIER is a Flame Rite inherent FR laminated to a FR/PTFE/HYDROPHILIC membrane that goes beyond EN469 requirements for moisture barriers - Porelle P9FR/PTFE1.

THE FABRIC SHALL BE

- Flame resistant
- Breathable
- Heat resistant
- Water proof
- Liquid resistant

THERMAL BARRIER - 50%MA/41%CO/7%PA/2%AT

The fabric shall be:

- Flame Resistant
- Heat resistant
- Thermal resistant
- Strength & Tearing Resistant

REQUIREMENTS FOR LIGHTNING $\mathcal{X}$ TROUSERS

- The trouser shall be shaped in such a way that it will provide a tailored fit.
- The trousers shall extend no less than 150 mm above the waist.
- Super heavy-duty suspenders shall be permanently fitted to the trousers. A mechanism to prevent the straps from sliding from the shoulders shall be incorporated into the suspenders.
- The main body of the suspenders shall be constructed of non-elastic webbing.
- The suspenders shall be equipped with two non-slip thermoplastic slide fasteners for adjustment.
- The cuff area of the trousers shall be reinforced.
- The leg ends shall be wide enough to fit over the bunker boots. The bottom leg seam of the inner shell shall be fitted with an elastic band.
- The knee area shall be reinforced with polymer coated Kevlar® squares.

LIGHTNING χ FIRE FIGHTING SUIT

REQUIREMENTS FOR LIGHTNING χ TUNIC

- The outer shell shall be of a single layer construction throughout.
- All seams shall be double stitched
- The coat shall have a double closure front with 50mm Velcro and a heavy duty zip. There shall be no seams on the shoulders. Sleeves shall be constructed in such a way as afford maximum movement.
- The sleeve cuffs shall be reinforced.
- The arms of the tunic shall be designed to facilitate the maximum amount of free arm movement.
- Elbow padding is required. The padding shall consist of polymer-coated Kevlar® with a heat resistant material sandwiched between the shell and the Kevlar®. The padding shall be stitched onto the outer shell using double stitching.
- The vapour barrier, thermal barrier and lining together shall form the inner garment.
- The inner jacket shall be equipped with wristlets and thumb loops
- The tunic shall be long traditional style
- Pockets: Two (2) pleated waterproof side pockets shall be fitted to the tunic. The size of these pockets shall be 220 mm x 180 mm with a 75 mm pocket-flap held down by two (2) Velcro squares.
- A radio pocket shall be fitted onto the left chest. The pocket shall be so positioned not to hinder the Breathing Apparatus shoulder straps. The pocket shall feature a pocket flap with an insertion for the antenna. The pocket flap shall be closed with a Velcro square.
- All pockets shall be of the same material as the outer shell
- A pocket shall be placed on each side on the inside of the inner shell. These pockets shall be constructed of the same material as the inner shell.
- Collar: The collar shall be of a double layer of the same material as the outer shell and shall have a layer of the quilted thermal barrier in the middle thereof.
- A storm-flap constructed the same as the collar shall be fitted in such a way as to ensure a "Dry Suit". The area over the chin shall have a layer of Nomex® Knit.

REFLECTIVE TRIM

- Retro-reflective fluorescent trims shall be fitted to the suit.
- All trims shall be 3M type.
- The trims shall be 50mm wide throughout.
- All trims shall be double stitched
- The colour of the trims shall be lime-yellow with a silver strip in the center

LABEL

Each tunic and each pair of trousers must have a white printed label of a nominal size of 60 mm x 40 mm.
All cut edges must be turned in and the label securely sewn centrally to the inside of the back of the inner shell at the top of both the tunic and trousers.
The label must provide the following information printed in legible block letters:

- The manufacturers name or trade mark or both
- The composition of the materials
- All materials compliant
- The year of manufacture
- Washing instructions
- Size

INSIGNIA – Optional:

- Logo in front
- Logo on the back



OFFICE AND CONTACT DETAILS

SIMLU HOLDINGS

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Port Zimbali, Dolphin Coast, 4399
Tel: 087 711 2315 | info@simlu.africa
www.simlu.africa

FLAME RITE

Inherent FR

Composition	50% MA 41% CO 7% P A 2% AT
Weave	Plain Weave
Weight	6 Oz ± 5%
Usable width	150 cm

Technical Specs	*Results*		*Standard*
Heat Resistance	**180°**: Cumple *Pass* - **260°**: Cumple *Pass*	EN 11612	ISO 17493
Limited Flame Spread	A1 - A2		ISO 15025
Convective Heat	B1		ISO 9151
Radiant Heat	C1		ISO 6942
Contact Heat	F1		ISO 12127
Electric Arc	Clase 1 *Class 1*		EN 61482-1-2
Electric Arc	*Ebt: 6,1 Cal/cm²* *HAF: 74,2 %*		ASTM F1959/F
Antistatic	Cumple *Pass*		EN 1149-3
Tensile Strength	*Warp* 800 N (± 10%) *Weft* 370 N (± 10%)		EN 13934-1
Tear Resistance	*Warp* 24 N (- 5 N) *Weft* 32 N (- 5 N)		EN 13937-2
Body Burn Test	*NFPA2112-2018 Clause 8.1.3 ASTM F 1930 – 2015 Body Burn Test*		NFPA 2112
Abrasion Resistance	20.000 rev		ISO 12947-2
Dimensional Change	*Warp* < 3% *Weft* < 3%		EN ISO 5077

Color Fastness		**Degradación** *Change*	**AC**	**CO**	**PA**	**PES**	**PC**	**WO**
Washing	ISO 105 C06 at 60°	5		4		4-5		
Dry Cleaning	ISO 105 D01	5		4-5		4-5		
Acid Perspiration	BS EN ISO 105 E04	5		4-5		4-5		
Alkali Perspiration		5		4-5		4-5		
Artificial Light	EN ISO 105 B02							



GUARDIAN®
Rip Stop (Outer Shell)

Product Information

SKU #: FNKO-10240-146 / HS Code: 5208.2300 Fabric Color: Black Fabric Weave: Rip-Stop 4mm Grid, Width: 58-59 “ Fabric Finish: Oil & water Repellent	Contents: 60% Kevlar® IIIA, 40 % Nomex® Weight: 240 gm / Sq.M (± 3 %) Density: 82 Ends / inch & 58 Picks / inch

Color Fastness To Washing AATCC 61- 2010		Water Repellency Spray Test AATCC 22-2010	Color Fastness To Rubbing or Crocking AATCC 8- 2007	
Polyester	4	100	Dry	4-5
Nylon/ Cotton	4 / 4-5	100	Wet	4

Tensile Properties Of Fabric EN ISO 13934-1:1999		Tear Strength EN ISO 13937- 2:2000	Laundry Shrinkage AATCC 135-2012, 05 Wash Cycles
Warp	1300 (N)	116 (N)	-0.55%
Weft	1200 (N)	113(N)	-0.86%

Pilling Resistance ASTMD 3512-2010		Color fastness To Light BSEN ISO 105-B02		Flame Resistance ASTM D 6413 (Vertical Test) Length / Width				
				Char Length (cm)	After Flame (sec)	After Glow (sec)	Melting (Y / N)	Dripping (Y / N)
Grade	3	Change	3	2.10/2.18	0/0	2.58/2.60	N/N	N/N

AZO Colorants Content		Heat Resistance ISO 17493:2002	
Absent (<30 mg / kg)		Exposition 5 Min t =180°C	No
Convective Heat EN 367: 1992		**Radiant Heat EN 6942: 2000**	
$HT\|_{24}$ 20.2	$HT\|_{24}$ - $HT\|_{12}$ 6.2	$RHT\|_{24}$ 28.2	$RHT\|_{24}$-$RHT\|_{12}$ 9.5



NFPA MEMBER · West Yorkshire Materials Testing Service · CONFIDENCE IN TEXTILES · IQNet · KEVLAR® Nomex®

LA

Firm: **ESCORTS ADVANCED TEXTILES PRIVATE LIMITED**
4/7 Ravi Block Allama Iqbal Town
54570 Lahore
Pakistan

DC 10721/S

For the attention of: Haseeb Hassan

TEST REPORT RAPPORTO DI PROVA PRÜFBERICHT

N. **3811212/E**

date: 03/04/2019

Sampling: *done by Ricotest staff*

Samples received on: 20/03/2019

Test period: 28/03-03/04/2019

ORGANISMO NOTIFICATO N. 0498
Tutti i risultati si riferiscono esclusivamente ai materiali esaminati.
Vietata la riproduzione parziale o la pubblicazione, ad es. a scopo pubblicitario, senza autorizzazione scritta di RCT.
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Commenti e dichiarazioni sono di natura soggettiva e non fanno parte del RdP.
Prova eseguita da laboratorio partner qualificato.

NOTIFIED BODY N. 0498
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Partial reproduction or publication, e.g. for advertising purpose not admitted without written authorization by RCT.
Positive results of a test report do not imply that the tested product is "certified" or "approved" by RCT.
Comments and interpretations are of subjective nature and not part of the Test Report.
Test carried out by qualified partner lab.

NOTIFIZIERTE STELLE N. 0498
Alle Ergebnisse beziehen sich nur auf die geprüften Materialen.
Partielle Reproduktion oder Veröffentlichung, z.B. zu Reklamezwecken, ist nicht gestattet ohne schriftliche Zustimmung von RCT.
Positive Ergebnisse eines Prüfberichtes bedeuten keine Homologierung oder Zertifizierung des Produkts durch RCT.

SAMPLES: Fireman suits, articles:
- **ANKO-0200C-128**;
- **ANKO-0240C-129.**

Loose materials:
- **FNK0-10200-324**, batch number 36327;
- **FNK0-10240-146**, batch number 40050;
- **FNK0-10185-XXX**, batch number 2570;
- **FNK0-10135-XXX**, batch number 270.

REQUEST: Laboratory tests for the annual production of control III category PPE (Regulation (EU) 2016/425).

NOTE:
Article **ANKO-0200C-128** has already been certified with EC Certificate No. 699161501/OE.
Article **ANKO-0240C-129** has already been certified with EC Certificate No. 699161502/OE.

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TEST REPORT RAPPORTO DI PROVA **PRÜFBERICHT**

N. **3811212/E** *date:* 03/04/2019

Kommentare und Erklärungen sind subjektiver Natur und nicht Teil des Prüfbericht.
Test durchgeführt von qualifiziertem Partner-Labor.

OUTCOME: **PASS**

References	Tests	Measuring unit	Requirements	Results
-	Visual check		the samples picked up corresponds to the certified type	pass
-	Check of marking /declared protection levels		corresponds to the certified type	pass
EN ISO 13688:2013	**Protective clothing - general requirements**			
4.2/c ISO 4045:2018 ISO 3071:2005	pH - leather - other materials FNK0-10200-324 FNK0-10240-146 grey wrist-band reflective bands	 - - 	 > 3,5 and < 9,5 	 - 6,3 6,3 6,7 7,5

RICOTEST Via Tione, 9 - 37010 Pastrengo (VR) tel: +39 045 7170088 fax: +39 045 7110014 email: ricotest@ricotest.com P.I. 01491930234

TEST REPORT RAPPORTO DI PROVA **PRÜFBERICHT**

N. **3811212/E** *date:* 03/04/2019

References	Tests	Measuring unit	Requirements	Results
4.2/d UNI EN ISO 17234-1:2015# leather UNI EN 14362-1:2017# textile	Azo colorants content: 1. 4-aminobiphenyl 2. Benzidine 3. 4-chloro-o-toluidine 4. 2-naphtylamine 5. 4-chloroaniline 6. 2,4-diaminoanisole 7. 4,4'diaminodiphenylmethane 8. 3-3'-dichloro benzidine 9. 3,3'-dimethoxy benzidine 10. 3,3'-dimethyl benzidine 11. 4,4'-methylenedi-o-toluidine 12. p-cresidine 13. 4,4'-mehylene-bis-(2-chloroaniline) 14. 4,4'-oxydianiline 15. 4,4'-thiodianiline 16. o-toluidine 17. 2,4-toluenediamine 18. 2,4,5-trimethylaniline 19. o-aminoazotoluene 20. 5-nitro-o-toluidine 21. 4-aminoazobenzene 22. o-anisidine 23. 2,4 xylidine 24. 2,6 xylidine	mg/kg	absent (<30 mg/kg)	FNK0-10200-324 FNK0-10240-146 grey wrist-band < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5 < 5
EN 469:2005 +A1:2006 +AC:2006	**Protective clothing for firefighters**			
5.2	Pre-treatment for test § 6.1, 6.2, 6.11	-	-	5 washing cycles at 40°C (EN ISO 6330:2012 washing procedure 4N, drying procedure A)

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References	Tests	Measuring unit	Requirements	Results
6.1 EN ISO 15025:2002 procedure A	**Flame spread**			FNK0-10200-324
	- chine inflammation	-	no	no
	- flaming or molten debris	-	no	no
	- spread of the residual incandescence	-	no	no
	- hole formation	-	no (except for a layer other than the outer material or innermost lining)	no
	- mean value of afterflame time	s	≤ 2	0
	- seams	-	shall not come apart	pass
	- hardware	-	the hardware shall remain functioning	pass
	- index (EN 533:1997)	-	3	3
6.1 EN ISO 15025:2002 procedure A	**Flame spread**			FNK0-10240-146
	- chine inflammation	-	no	no
	- flaming or molten debris	-	no	no
	- spread of the residual incandescence	-	no	no
	- hole formation	-	no (except for a layer other than the outer material or innermost lining)	no
	- mean value of afterflame time	s	≤ 2	0
	- seams	-	shall not come apart	pass
	- hardware	-	the hardware shall remain functioning	pass
	- index (EN533:1997)	-	3	3

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TEST REPORT RAPPORTO DI PROVA **PRÜFBERICHT**

N. **3811212/E** *date:* 03/04/2019

References	Tests	Measuring unit	Requirements	Results
6.1 EN ISO 15025:2002 procedure A	**Flame spread**			FNK0-10150-135 quilted to FNK0-10135-XXX
	- chine inflammation	-	no	no
	- flaming or molten debris	-	no	no
	- spread of the residual incandescence	-	no	no
	- hole formation	-	no (except for a layer other than the outer material or innermost lining)	no
	- mean value of afterflame time	s	≤ 2	0
	- seams	-	shall not come apart	pass
	- hardware	-	the hardware shall remain functioning	-
	- index (EN533:1997)	-	3	3
6.2 EN ISO 9151:2016	**Convective heat**		Level 1 Level 2	FNK0-10200-324, FNK0-10185-XXX, FNK0-10135-XXX, FNK0-10150-135
	- HTI_{24}	index	≥ 9,0 ≥ 13,0	18,1
	- HTI_{24} - HTI_{12}		≥ 3,0 ≥ 4,0	7,2
6.2 EN ISO 9151:2016	**Convective heat**		Level 1 Level 2	FNK0-10240-146, FNK0-10185-XXX, FNK0-10135-XXX, FNK0-10150-135
	- HTI_{24}	index	≥ 9,0 ≥ 13,0	19,8
	- HTI_{24} - HTI_{12}		≥ 3,0 ≥ 4,0	7,4
6.6.1 EN ISO 13934-1:1999 EN ISO 1421:1998 met. 1	**Breaking load of the outer material**			FNK0-10200-324
	- machine direction	N	≥ 450	1000
	- cross direction			700
6.6.1 EN ISO 13934-1:1999 EN ISO 1421:1998 met. 1	**Breaking load of the outer material**			FNK0-10240-146
	- machine direction	N	≥ 450	1100
	- cross direction			1300

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TEST REPORT RAPPORTO DI PROVA **PRÜFBERICHT**

N. **3811212/E** *date:* 03/04/2019

References	Tests	Measuring unit	Requirements	Results
6.11 EN ISO 811:2018 pressure increase 0,98 kPa/min	**Resistance to water penetration**	kPa	level 1: < 20 level 2: ≥ 20	FNK0-10185-XXX > 20
pr-qua 13	Performance levels		All levels of the tests performed in this document satisfy those included in the original document	pass

End of the test report.

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TECHNICAL REPORT N. **4113402/E** date: 22/08/2022

CLIENT: **Escorts Advanced Textiles Private Limited** ACA
1st Floor, PHMA House, 33-A, Block-D New Muslim Town, Lahore
Pakistan

FOR THE ATTENTION OF: Nabeel Mazhar

SAMPLING: done by the Applicant

TEST REPORTS: this document is based on Test Report no.: 4082802/E

SAMPLES: Sample of fabric, code "**FNK0-10240-146**".

REQUEST: Laboratory tests in accordance with EN 469:2020 for the determination of:

- pH value (ISO 3071:2020);
- azo-dyes content (ISO 14362-1:2017);
- dimensional changing due to cleaning: 5 washing cycles procedure 4N, drying procedure A (EN ISO 13688:2013 + A1:2021 p.5.3);
- flame spread (EN ISO 15025:2016 procedure A) before and after pre-treatment 5.3;
- heat resistance (ISO 17493:2016) before pre-treatment 5.3;
- tensile strength (EN ISO 13934-1:2013) after pre-treatment 5.3;
- tear strength (EN ISO 13937-2:2000) after pre-treatment 5.3.

OUTCOME: **PASS**

Notes:
All results refer exclusively to the tested materials.
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Positive results of a test report do not imply that the tested product is "certified" or "approved" by RCT.
Comments and interpretations are of subjective nature and not part of the Test Report.
Test carried out by qualified partner lab ISO 17025.
* Test not accredited by Accredia
Conformity assessment criterion: the result is considered compliant until the value falls within or coincides with the specification limit.
Unless otherwise indicated, the test conditions correspond to the reference standard.

M22 rev06 del 01/01/2022

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References	Tests	Measuring unit	Requirements	Results
EN ISO 13688:2013 + A1:2021	**Protective clothing - general requirements**			
4.2/c ISO 3071:2020	pH - other materials extracting solution: KCl	-	3,5 < pH < 9,5	7,4
4.2/d ISO 14362-1:2017# textile	Azo colorants content:	mg/kg	absent (<30 mg/kg)	pass
5	Ageing			
5.3	Dimensional changing due to cleaning		(5 washing cycles at 40°C)	5 washing cycles procedure 4N drying procedure A
ISO 5077:2007 ISO 6330:2021	Domestic washing - length - width - length - width	% %	woven materials: ≥-3 and ≤+3 knitted material and nonwovens: ≥-5 - ≤+5	- 2,0 - 0,5 - -

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References	Tests	Measuring unit	Requirements	Results
EN 469:2020	**Protective clothing for firefighters**			
6.2.1.1 EN ISO 15025:2016 procedure A	Flame spread test Before pre-treatment 5.3			
	- flame spread	-	No specimen shall permit any part of the lowest boundary of any flame to reach the upper or either vertical edge	pass
	- flaming debris	-	No specimen shall give flaming or molten debris	pass
	- hole formation (exception for an interlining that is used for specific protection other than flame protection)	mm	≤ 5	0
	- afterglow time (a glowing inside the charred area shall not be regarded as afterglow)	s	≤ 2	0
	- afterflame time	s	≤ 2	0
	- seams shall not open	-	pass	-
	- 5 minutes after the test, the closure systems shall be capable of being opened once	-	pass	-
	Flame spread index according to EN ISO 14116:2015	-	3	3

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References	Tests	Measuring unit	Requirements	Results
6.2.1.1 EN ISO 15025:2016 procedure A	Flame spread test After pre-treatment 5.3			
	- flame spread	-	No specimen shall permit any part of the lowest boundary of any flame to reach the upper or either vertical edge	pass
	- flaming debris	-	No specimen shall give flaming or molten debris	pass
	- hole formation (exception for an interlining that is used for specific protection other than flame protection)	mm	≤ 5	0
	- afterglow time (a glowing inside the charred area shall not be regarded as afterglow)	s	≤ 2	0
	- afterflame time	s	≤ 2	0
	- seams shall not open	-	pass	-
	- 5 minutes after the test, the closure systems shall be capable of being opened once	-	pass	-
	Flame spread index according to EN ISO 14116:2015	-	3	3

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References	Tests	Measuring unit	Requirements	Results
6.2.1.6 ISO 17493:2016	Heat resistance Before pre-treatment 5.3 Temperature: 180 ± 5 °C Exposure time: 5 min			
	- ignition	-	no	no
	- melting	-	no	no
	- shrinking (machine direction)	%	-5 ≤ Δ ≤ +5	0
	- shrinking (cross direction)	%	-5 ≤ Δ ≤ +5	0
	- hardware	-	it shall remain functional after this test	-
	- closure system	-	5 minutes after removal from the testing oven it shall be capable of being opened once	-
6.2.3.1 EN ISO 13934-1:2013	Tensile strength (outermost material) After pre-treatment 5.3	N		
	Machine direction: specimen 1 specimen 2 specimen 3 specimen 4 specimen 5 MEAN VALUE		≥ 450	 1560 1560 1500 1480 1390 1500
	Cross direction: specimen 1 specimen 2 specimen 3 specimen 4 specimen 5 MEAN VALUE		≥ 450	 1160 1010 1590 1400 1470 1300

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References	Tests	Measuring unit	Requirements	Results
6.2.3.2 EN ISO 13937-2:2000	Tear strength (outermost material) After pre-treatment 5.3 Machine direction: specimen 1 specimen 2 specimen 3 specimen 4 specimen 5 MEAN VALUE Cross direction: specimen 1 specimen 2 specimen 3 specimen 4 specimen 5 MEAN VALUE	N	 ≥ 30 ≥ 30	 130 131 135 131 124 130 105 106 121 127 128 120

- End of the Technical Report -

RICOTEST Via Tione, 9 - 37010 Pastrengo (VR) tel: +39 045 7170088 email: ricotest@ricotest.com P.I. 01491930234

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porelle®

FR / PTFE / HYDROPHILIC

Ref: P9FR PTFE/1 Date: 08.03.2017

PROPERTY	SPECIFICATION		TEST METHOD
Weight (g/m^2)	Range Typical	30 –40 35	BS EN ISO 2286-2: 1998 (STM 230)
W.V.T. Upright ($g/m^2/24hr$)*	Min Typical	700 800	ASTM E96: 95, Procedure B (STM 201)
W.V.T. Invert ($g/m^2/24hr$)*	Min Typical	14000 15000	ASTM E96: 95, Procedure BW (STM 201)
Hydrostatic Head (cm)	Initial X 3 washes @ 60°C	700 700	BS3424, Part26: 1990, Method 29A (STM 241)
Shrinkage @140°C (%)	L Max X Max	3.0 3.0	STM 205
Stress @ 25% Elongation (N/cm)	L Min X Min	1.00 3.00	BS ISO 37: 2011 (STM 007)
Tensile Strength (N/cm)	Min	L 4.00 X 8.00	BS ISO 37: 2011 (STM 007)
Elongation at Break (%)	Min	L 200 X 50	BS ISO 37: 2011 (STM 007)
Deet Resistance (PSI)	Initial min Post Deet min	90 80	STM 290
Vertical Burn Test	No drip or after glow. Burn length cms	< 10.0	FTM Standard 191A Method 5903.1 (STM 112)
UV Stability: Retained Tensile Strength (%) and Elongation at Break	Min	50	STM 116
Colour	Visually to standard		STM 118

**Measured with the PU against the water source*

FORM OF SUPPLY

1. Roll: Uniformly wound, no folds. Maximum 2 paper/carrier joins per 500m roll.
2. Length of Roll: Minimum of 200m, maximum of 1000m. Nominal of 500m.
3. Width: 154cm ± 1cm. Rolls to be wound centrally on core with straight edges as possible. Maximum edge telescoping ± 0.5 cm either side.
4. Diameter of Core: 150mm ID paper core. Core must not crush during transportation.
5. Wrapping: Wrapped in Black polythene and supported on Cardboard ends. Material on the roll must not be handled as severe damage will be caused, use frame supplied. Insert into appropriate boxes. Boxes must be palletised.
6. Labelling: Labels for porelle® P9FRPTFE WHITE
7. Faults: Maximum of 2 defects per 100m. Defects to be tagged on the edge.

Authorised:

Toni Allen
Quality Manager

David Randall
NBD Director