

LYNX[®] 555 PBO Firefighter Suit



EN 469:2005 Level 2 - Xf2, Xr2, Y2, Z2



LYNX 555 is manufactured by FlamePro on behalf of Aviation and Survival Support
LYNX 555 is based on 950/955 Firefighter Suit - S555

Fabric System LYNX[®] 555 PBO Firefighter Suit

FABRIC SYSTEM

Description	Weight
Outer shell weight	195gms
Moisture Barrier weight	140gms
Lining weight	220gms
Jacket's weight (XL/Regular)	2.3kg
Trouser's weight (XL/Regular)	2.0kg

System Performance

After 5 wash cycles

Heat transfer flame (HTI 24)	18.8
Heat transfer flame (HTI 24-12)	5.1
Heat transfer radiation (RHTI 24)	26.2
Heat transfer radiation (RHTI 24-12)	8.6
Water Vapour Resistance (RET)	19.98

Outer Shell Strength Performance

	Warp (N)	Weft (N)
Residual tensile strength	2400	3000
Tensile strength	3500	3200
Tear strength	520	450

Colour fastnes

PBO is not dyed and therefore no testing on colour fastness is required as there is no dye in the process

Outer shell - PBO 195gms Gold

Decades of experience in advanced textile technology combined with use of the world's strongest fibre (PBO) have led to a truly unique fabric.

This extremely lightweight outer-shell fabric not only offers unmatched performance in strength, but is also safer, since it does not break open after exposure to heat and flame. This combination makes it the lightest and strongest fabric available on the market today.

Moisture Barrier - 140gms

Thermal moisture barrier technology to an entirely new level. This fabric is a thermal barrier with a membrane. The thermal barrier is engineered with a patented 3-D spunlace non-woven technology which provides better insulation and moisture management.

The ePTFE/PU bi-component laminate provides superior breathability and is high-temperature resistant and durable due to PU-layer.

Thermal barrier with thermal liner- 220gms

This fabric for fire fighter turnout gear is a combination of a thermal barrier and a thermal liner. The thermal barrier is engineered with a patented non-woven 3-D imaged spunlace technology which provides better insulation and durable moisture management. Due to the slick thermal liner it provides ease of movement and greater flexibility.

Features LYNX[®] 555 PBO Firefighter Suit

JACKET'S FEATURES

- Two removable chest pockets, secured with flap, reinforced flap edges, smart lock poppers—one direction to remove pocket
- Two chest fabric loops above chest pockets
- Torch loop
- Adjustable collar tab
- GITD™ Glow in the Dark reflective trim
- Front & back Velcro® loops for vest attachment
- Storm flap
- Adjustable cuff tabs
- Two front waist side pockets, secured with flap, reinforced flap edges
- Glove hanging loops inside front pockets with carabine snap hooks
- Ribbed cuff with thumbhole
- Reinforced hem
- FR Sew-on reflective tape, secured with Trimguard™ technology - 90% longer lasting
- Two napoleon type pockets on the inside, Velcro® fastening between pockets for cable management
- Two waist side inner pockets
- Moisture barrier inspection zip
- Reinforced & padded elbow patches
- Reinforced & padded shoulder patches
- Hood attachment on rear collar
- Velcro® loops for ID marking on rear of jacket

TROUSER'S FEATURES

- Removable braces
- Padded shoulder braces
- Front waist adjustment
- Two large bellow combat style pockets, featuring glove hanging loops, secured with reinforced edge flaps, including carabine snap hooks
- Reinforced & padded knee protection
- Velcro® loops for ID marking on right combat pocket
- Ankle knife pockets
- Waterproof gaiters
- FR Sew-on reflective tape, secured with Trimguard™ technology—90% longer lasting
- GITD™ Glow in the Dark reflective trim
- Elasticated waist band
- Reinforced leg hem

Washing, Maintenance & Repair Instructions

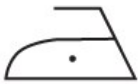
WASHING INSTRUCTIONS



Wash machine temperature
60°C



Tumble Dry Settings
One Dot: Low temperature max 50°C



Ironing
One Dot: Low temperature, max 110°C



Dry cleaning
P: Dry cleaning with perchlorethylene



Do not use bleach

General PPE Maintenance Guidelines

- Wash the PPE regularly using specially adapted programs for contaminated emergency clothing
- The garments should be cleaned after incidents where they have been affected by fire gases or soiled by soot, by-products of combustion, blood, body fluids, tar, fuel, resin, paint, acid or other dangerous substances
- Contaminated clothing should be transported so that gases are enclosed
- Pressure clothing should be cleaned separately from other garments
- Do not hang the garment in direct sunlight, as UV radiation will eventually weaken the outer fabric.
- Lubricate the zipper if it starts to go slow

Before washing

- Ensure all zips within the garments are fastened, including inspection zips on inside of garment
- Ensure all Velcro® closures are fastened
- Ensure all buttons are closed
- Ensure all pockets are empty
- Remove any detachable ID tags
- Remove all carabine snap hooks
- Relax any adjustable closures, typically in the cuff, collar, ankle, waist
- Check fluorocarbon finish before each wash by using a spray test, re-apply impregnation if needed. Always re-do the impregnation after chemical cleaning.

After washing & drying

- Ensure closures are functioning after wash
- Ensure the fit of garment is still suitable, the garment is not too loose or close fitting
- There is a sufficient overlap between jacket and trouser when performing stretching movements of legs and arms
- There is no damage or soiling
- The clothing is dry on inside and outside
- Perform a spray test to ensure the fluorocarbon finish is functioning
- Check seams integrity or broken stitches
- Check reflective tape condition

Washing, Maintenance & Repair Instructions

Important Notes

- Ensure cleaning is performed by a trained specialist, do not clean in the private household
- Follow product care label instructions
- Do not use domestic washing detergents, powders, softeners or whitening agents
- Do not use a tunnel dryer
- Do not iron retro-reflective tape
- Do not wash with combustible materials

Fluorocarbon Re-impregnation

The protective clothing should be re-impregnated regularly using a fluorocarbon resin-based treatment, it is recommended to re-impregnate the finish after 5 washing and drying cycles, the re-impregnation may be necessary after less washes which depends on the use of the garment, therefore it's recommended to test the finish using a spray test before each wash cycle.

Simply spray some water over the garment, if the water is absorbed into the fabric and does not drip off then re-apply the fluorocarbon finish. The re-impregnation can be done easily by adding the right impregnation product to the last of the rinsing water in the washing process

Repairs

The garment should be inspected regularly for any damages, repairs should be performed by a trained specialist, modifications to garment are not allowed. Any repair or modification made by unauthorised service centre will void the warranty. We recommend that the suit be removed from service if the repair costs exceed 50% of the replacement cost. please contact FlamePro Global Ltd for advice.

Storage

Store the garment in dry conditions, not in direct sunlight. Do not store in airtight containers or vacuum packed, do not store at temperatures less than -32°C or above 82°C, do not store in contact with contaminants such as (not limited to) oils, solvents, acids or alkalis

Warranty

1 Year warranty from date of manufacture on structural seams & hardware, subject to wear & tear. Modifications or repairs made by unauthorised specialist will invalidate the warranty.

We recommend care and maintenance in line with BS 8617 or equivalent in country standard.