

BROSUR

**FLIGHT SUIT DAN AKSESORI KRU PENERBANGAN PGU
PDRM**

PGU PDRM FLIGHT SUIT

Made by DuPont Nomex® Licenced Manufacturer

PGU PDRM Flight Suit is designed based on a standard requirement of a flight suit and specifications given by user, with additional modification to provide superior protection to aircrew mainly from any flash fires (heat and flames), its anti-static fiber to minimize electrostatic accumulation and to protect against arc flash. Additional features include padded knee, padded elbow and pleated back waist as a safety guard during flight operation and reflective strap on shoulder back for easily seen especially during dark weather or at night.

Type	One Piece Flight Suit
Colour	True Grey
Fabric Material	DuPont Nomex® Xtreme Arc
ATPV Value	12 to 19 cal/cm2
Thread Material	Fire Retardant Thread
Zip Material	YKK Zipper with solid brass teeth
Gender	UNISEX
Size Available	S M L XL 2XL 3XL 4XL 5XL
Fabric Weight	220 g/m2 (woven)



FLIGHT SUIT Features FRONT

- Hook & loop sleeve tabs
- Adjustable Velcro Wrist Closure
- Zipper Chest Pocket (L)
- Zipper Chest Pocket (R)
- Adjustable Velcro Waist Belt
- Two-way front zipper with puller
- Zipper thigh pocket (L)
- Zipper thigh pocket (R)
- Padded Knee (L)
- Padded Knee (R)
- Ankle opening by zipper to adjust width of leg



FLIGHT SUIT Features BACK

- Reflective Strap on Shoulder back
- Padded Elbow (L)
- Padded Elbow (R)
- Wide Pleated Waist
- Zipper leg pocket (L)
- Zipper leg pocket (R)



FLIGHT SUIT ACCESSORIES

A Pair of **Shoulder Epaulette – RANK Slip On**
Shoulder, Left and Right
Size (W x H¹ x H²) : 11cm x 6cm x 5cm

An insignia of **ROYAL MALAYSIA POLICE**
Right Sleeve
Size (W x H) : 7cm x 8cm

A Patch of **PGU IDENT**
Right Chest
Size (diameter) : 8.5 cm

A Patch of **FLIGHT WING & NAME**
Left Chest
Size (W x H) : 8cm x 6cm

A Patch of **MALAYSIA FLAG**
Left Sleeve
Size (W x H) : 10cm x 6cm

The patches on flight suits are attach with Velcro system. Velcro provides a secure and easily adjustable way to attach patches, allowing for quick removal and replacement as needed. Additionally, Velcro is a durable and reliable fastening method that can withstand the rigors of flight and police activities.



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**MATERIAL FABRIK PEMBUATAN FLIGHT SUIT KRU
PENERBANGAN PGU PDRM**

Nomex® Xtreme Arc

Introducing the most innovative Nomex® offering for arc flash and FR protection. Nomex® Xtreme Arc provides an ATPV of 12 to 19 cal/cm², making it the ideal choice for workers confronted with high-risk electrical exposure in the industrial manufacturing and transportation industries.

Nomex® Xtreme Arc delivers high-performance single-layer comfortable electric arc protection.

Protection



Arc flash protection along with heat and flame resistance



Better protection at longer exposures and higher temperatures



Inherent protection; can't be washed out or worn away



Resists tears and abrasion



Extremely durable and long-lasting protective solutions

Color

Refer to fabric sample for true color representation.



Paris blue



Sunset blue



True gray

Weight

6.5 oz/yd² / 220 g/m² (woven)**

6.9 oz/yd² / 234 g/m² (knitted)

Fiber blend

Nomex®, Kevlar®, antistatic fiber

Hazards



Arc flash



Short-duration thermal exposure



Static electricity*

*Static dissipation does not replace proper grounding in a potential Electro-Static Discharge (ESD) hazard.

**CGSB 155.20 certification pending.

Certifications

Nomex® fabric solutions are certified to meet the listed standards.*

ASTM F1506

NFPA 2112

CGSB 155.20

ISO 11612

IEC 61482-2

EN 1149

*Certifications for the fabrics vary by region. Contact a DuPont representative for additional details.

Nomex® Xtreme Arc

Fabric protection performance

Property	Standard	Units/description	Nomex® Xtreme Arc	Nomex® Xtreme Arc
Fabric construction	—	—	Double-face weave	Double-face knit
Basis weight	—	oz/yd ² (g/m ²)	6.5 (220)	6.9 (234)
Arc Rating (Arc Thermal Performance Value [ATPV])	ASTM F1959 IEC 61482-1-1	cal/cm ²	>12 (16-19)	>12 (14-17)
Energy Breakopen Threshold (EBT)	ASTM F1959 IEC 61482-1-1	cal/cm ²	—	>12 (17)
Thermal manikin	NFPA 2112	TPBI (%)	9	9
Box test	IEC 61482-1-2	Rating	Class 1	—

Typical physical properties (ASTM, NFPA)

Property	Standard	Units/description	Nomex® Xtreme Arc	Nomex® Xtreme Arc
Fabric construction	—	—	Double-face weave	Double-face knit
Basis weight	ASTM D3776	oz/yd ²	6.5	6.9
Tensile strength (Grab test)	ASTM D5034	Warp (lbf) Weft (lbf)	310 260	— —
Elmendorf tear	ASTM D1424	Warp (lbf) Weft (lbf)	28 27	— —
Burst strength	ASTM D3786	PSI	—	180
Heat transfer performance (HTP)	NFPA 2112 Section 8.2	Spaced (cal/cm ²) Contact (cal/cm ²)	18 13	17 14
Shrinkage after 5 home laundering cycles	AATCC 135	Machine (%) Cross (%)	<3 <3	— —

Typical physical properties (ISO, EN)

Property	Standard	Units/description	Nomex® Xtreme Arc	Nomex® Xtreme Arc
Fabric construction	—	—	Double-face weave	Double-face knit
Basis weight	ISO 3801	g/m ²	220	234
Tensile strength	ISO 13934-1	Warp (N) Weft (N)	1411 1232	— —
Tear strength	ISO 13937-2	Warp (N) Weft (N)	57 62	— —
Burst strength	ISO 13938-2	kPa	—	982
Dimensional stability	ISO 5077	Machine (%) Cross (%)	<3 <3	<5 <5



Nomex®

For more information on Nomex® Xtreme Arc including pilling, colorfastness, and use and care, visit nomex.com/fabrics



All fabrics in our portfolio are suitable to be used for arc flash protection as per NEC, NESC, NFPA 70E and OSHA requirements.

Product safety information is available upon request. All data are from certification tests. Data can vary among testing labs.

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DUPONT MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

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