

A firefighter in full protective gear, including a helmet, goggles, and a respirator, is shown in a dynamic pose. The background is dark with numerous red and orange sparks or embers floating around, suggesting a fire environment. The firefighter's gear is dark with yellow reflective stripes.

PRODUCTOS IGNÍFUGOS INHERENTES

CERTIFICATE OF COMPLIANCE

Certificate Number MH61333
Report Reference MH61333-20210616
Issue Date 2022-August-26

Issued to: Corporación Rey S.A
Av. Oscar R. Benavides 5991
Callao, Peru

**This certificate confirms that
representative samples of**

Component - Sewing Threads for use in Protective Clothing
and Equipment

See Page 2 of this Certificate for certified products

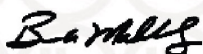
Have been investigated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: See Page 2 of this Certificate for applicable standards
Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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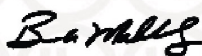
Certified Sewing Threads:

Style Designation	Material Composition	Size (TEX)	
		NFPA 1977-2022	All Other Standards
Firewall	93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic	40-49	Any

Threads evaluated to standards other than NFPA 1977-2022 edition may bear the UL Mark in any size offerings. Threads evaluated per NFPA 1977-2022 edition can only bear the UL Mark when the size is within the size ranges described above. Any size other than noted above for compliance with NFPA 1977-2022 is not eligible to bear the UL Mark.

These sewing threads have been found to meet the thread performance requirements of the following standards:

Standard	Title	Edition
NFPA 1951	Standard on Protective Ensembles for Technical Rescue Incidents	2020
NFPA 1971	Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting	2018
NFPA 1975	Standard on Emergency Services Work Apparel	2019
NFPA 1977	Standard on Protective Clothing and Equipment for Wildland Fire Fighting and Urban Interface Fire Fighting	2022
NFPA 2112	Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire	2023
ASTM F1506	Standard Performance Specification for Flame Resistant and Electric Arc Rated Protective Clothing Worn by Workers Exposed to Flames and Electric Arcs	2020A



Bruce Mahrenholz, Director North American Certification Program
UL LLC

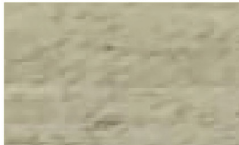
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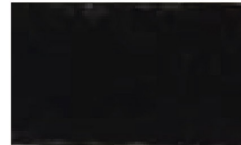


CARTA DE HILOS DE COSER FIREWALL

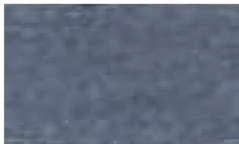
Código: 28291
Nombre: ECRU
Nombre Rey: YARN ECRU FW



Código: 601323
Nombre: DARK NAVY
Nombre Rey: YARN DARK NAVY FW



Código: 601072
Nombre: LIGHT BLUE
Nombre Rey: YARN LIGHT BLUE FW



Código: 601162
Nombre: PATROL BLUE
Nombre Rey: YARN PATROL BLUE FW



Código: 32612
Nombre: RESCUE ORANGE
Nombre Rey: YARN RESCUE ORANGE FW



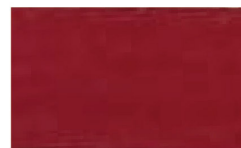
Código: 96962
Nombre: LIGHT GREY
Nombre Rey: YARN LIGHT GREY FW



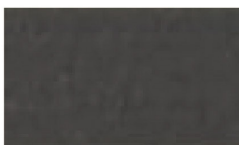
Código: 28272
Nombre: BEIGE
Nombre Rey: YARN BEIGE FW



Código: 40273
Nombre: DAYTONA RED
Nombre Rey: YARN DAYTONA RED FW



Código: 96972
Nombre: STEEL GREY
Nombre Rey: YARN STEEL GREY FW



Código: 100393
Nombre: BLACK
Nombre Rey: YARN BLACK FW



Código: 601412
Nombre: ROYAL BLUE
Nombre Rey: YARN ROYAL BLUE FW



CERTIFICATE OF COMPLIANCE

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Report Reference MH61333-20210616
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Issued to: Corporación Rey S.A
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Callao, Peru

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See Page 2 of this Certificate for certified products

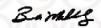
Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: See Page 2 of this Certificate for applicable standards
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Bruce McKeown, Director North American Certification Program
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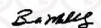
Certified Sewing Threads:

Style Designation	Material Composition	Size (TEX)	
		NFPA 1977-2022	All Other Standards
Firewall	93% Meta-Aramid, 5% Para-Aramid, 2% Antistatic	40-49	Any

Threads evaluated to standards other than NFPA 1977-2022 edition may bear the UL Mark in any size offerings. Threads evaluated per NFPA 1977-2022 edition can only bear the UL Mark when the size is within the size ranges described above. Any size other than noted above for compliance with NFPA 1977-2022 is not eligible to bear the UL Mark.

These sewing threads have been found to meet the thread performance requirements of the following standards:

Standard	Title	Edition
NFPA 1951	Standard on Protective Ensembles for Technical Rescue Incidents	2020
NFPA 1971	Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting	2018
NFPA 1975	Standard on Emergency Services Work Apparel	2019
NFPA 1977	Standard on Protective Clothing and Equipment for Wildland Fire Fighting and Urban Interface Fire Fighting	2022
NFPA 2112	Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire	2023
ASIM 11006	Standard Performance Specification for Flame Resistant and Electric Arc Rated Protective Clothing Worn by Workers Exposed to Flames and Electric Arcs	2020A


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Page 2 of 2

El hilo de coser Firewall es un tipo de hilo que tiene 2 características importantes:

- 1.- Es inherente ignífugo, tiene como característica que en exposición a llamas abiertas y calor radiante prolongado se puede prender, pero inmediatamente se apaga.

Cumple la norma NFPA 2112 edición 2022 – Fuego repentino / Fuego vertical.

- 2.- Resistencia a exposición de arco eléctrico.

El arco eléctrico es una descarga eléctrica continua de alta corriente que fluye a través de un espacio de aire entre los conductores. Un arco eléctrico la causa normalmente un cortocircuito.

Cumple norma ASTM 1506, resistencia a arco eléctrico.

CODIGO COMERCIAL		DESCRIPCION GENERAL		IMAGEN
-		H.COSER FIREWALL TEX40, 6K YD		
COMPOSICIÓN		93% META ARAMIDA, 5% PARA ARAMIDA, 2% ANTIESTÁTICO		
LINEA DE PRODUCTO		HILOS DE COSTURA IGNÍFUGOS		
ETIQUETA		TEX40		
ESPECIFICACIONES GENERALES				
REQUISITO	UNIDAD	RANGO TOLERANCIA	METODO DE ENSAYO	
TITULO	TEX	48.5 - 53.7	GC-00-ME-06	
RESISTENCIA A LA ROTURA	Kg-f	1.04 - 1.36	GC-00-ME-07	
COLOR FORMULA CMC	DELTA E	MAX. 1.5	GC-00-ME-57	
SOLIDEZ AL LAVADO	ESCALA DE GRISES	MIN. 3	GC-00-ME-58	





CODIGO COMERCIAL	DESCRIPCION GENERAL			IMAGEN
-	H.COSER FIREWALL TEX60, 4K YD			
COMPOSICIÓN	93% META ARAMIDA, 5% PARA ARAMIDA, 2% ANTIESTÁTICO			
LINEA DE PRODUCTO	HILOS DE COSTURA IGNÍFUGOS			
ETIQUETA		TEX60		
ESPECIFICACIONES GENERALES				
REQUISITO	UNIDAD	RANGO TOLERANCIA	METODO DE ENSAYO	
TITULO	TEX	75.6 - 83.6	GC-00-ME-06	
RESISTENCIA A LA ROTURA	Kg-f	1.69 - 1.90	GC-00-ME-07	
COLOR FORMULA CMC	DELTA E	MAX. 1.5	GC-00-ME-57	
SOLIDEZ AL LAVADO	ESCALA DE GRISES	MIN. 3	GC-00-ME-58	





APLICACIÓN EN COSTURA DE PRENDAS IGNÍFUGAS

Mandil



HILOS DE COSER
IGNÍFUGOS
FIREWALL

Imagen referencial



CORPORACIÓN
REY S.A.

D: Oscar R. Benavides 5991, Callao 1, Lima Perú

E: ventas3@rey.com.pe

W: www.rey.com.pe



CERTIFICATE OF COMPLIANCE

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Report Reference MH61333-20160526
Issue Date 2022-August-26

Issued to: Corporación Rey S.A
Av. Oscar R. Benavides 5991
Callao, Peru

This certificate confirms that
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Component - Sewing Threads for use in Protective Clothing
See Page 2 of this Certificate for certified products

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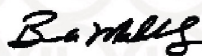
Standard(s) for Safety: NFPA 2112, Flame-Resistant Clothing for Protection of
Industrial Personnel Against Short-Duration Thermal
Exposures from Fire, 2023 Edition

Additional Information: See the UL Online Certifications Directory at
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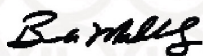
Certificate Number MH61333
Report Reference MH61333-20160526
Issue Date 2022-August-26

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

The sewing threads consist of the following composition and in any size and color:

PRODUCT DESIGNATION	COMPOSITION
Tex XX Craq-Spun	100% Nomex 450

XX - Indicates any size



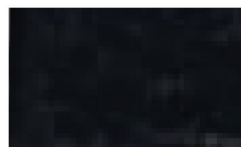
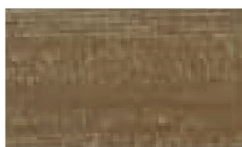
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Three large spools of DuPont Craaq Spun thread are shown in the foreground. The spool on the left is blue, the middle one is red, and the one on the right is gold. Each spool has a white cap with the DuPont logo and the word "ET" in blue. The threads are tightly wound and have a slightly textured appearance.

CARTA DE HILOS DE COSER CRAAQ SPUN

Código: 32602**Nombre: ORANGE****Nombre Rey: YARN RESCUE ORANGE NX****Código: 601593****Nombre: DARK NAVY****Nombre Rey: YARN DARK NAVY NX****Código: 28322****Nombre: BEIGE****Nombre Rey: YARN BEIGE NX****Código: 601962****Nombre: PATROL BLUE****Nombre Rey: YARN PATROL BLUE NX****Código: 96982****Nombre: STEEL GREY****Nombre Rey: YARN STEEL GREY NX****Código: 40313****Nombre: DAYTONA RED****Nombre Rey: YARN DAYTONA RED NX****Código: 602572****Nombre: ROYAL BLUE****Nombre Rey: YARN ROYAL BLUE NX****Código: 100123****Nombre: BLACK****Nombre Rey: YARN BLACK NX****PRESENTACIÓN: CONO****DISPONIBLE HASTA
AGOTAR STOCK**

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See Page 2 of this Certificate for certified products

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Standard(s) for Safety: NFPA 2112, Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire, 2023 Edition

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The sewing threads consist of the following composition and in any size and color:

PRODUCT DESIGNATION	COMPOSITION
Tex XX Crag-Spun	100% Nomex 450

XX - Indicates any size


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Page 2 of 2

El hilo de coser Craq Spun es de tipo Nomex, desarrollado por la empresa Dupont, tiene como característica principal que es inherentemente ignífugo en exposición a llamas abiertas y calor radiante prolongado se puede prender, pero inmediatamente este fuego se apaga.

Cumple la norma NFPA 2112 edición 2022 – Fuego repentino / Fuego vertical.

		DESCRIPCION GENERAL		IMAGEN
		H.COSER CRAQ SPUN TEX45, 4.5K YD		
COMPOSICIÓN	100% META ARAMIDA - NOMEX 450			
LINEA DE PRODUCTO	HILOS DE COSTURA IGNÍFUGOS			
ETIQUETA		TEX 45		
ESPECIFICACIONES GENERALES				
REQUISITO	UNIDAD	RANGO TOLERANCIA	METODO DE ENSAYO	
TITULO	TEX	45.75 - 47.25	GC-00-ME-06	
RESISTENCIA A LA ROTURA	Kg-f	1.14 - 1.25	GC-00-ME-07	
COLOR FORMULA CMC	DELTA E	MAX. 1.5	GC-00-ME-57	
SOLIDEZ AL LAVADO	ESCALA DE GRISES	MIN. 3	GC-00-ME-58	

APLICACIÓN EN COSTURA DE PRENDAS IGNÍFUGAS

Mandil



HILOS DE COSER
IGNÍFUGOS
TECNOLOGÍA
DUPONT

Imagen referencial



CORPORACIÓN
REY S.A.

D: Oscar R. Benavides 5991, Callao 1, Lima Perú

E: ventas3@rey.com.pe

W: www.rey.com.pe



CERTIFICATE OF COMPLIANCE

Certificate Number MH64194
Report Reference MH64194-20210204
Issue Date 2022-November-10

Issued to: CORPORACIÓN REY S.A.
AV. OSCAR R. BENAVIDES 5991
CALLAO, PERU
pe

This is to certify that representative samples of Component – Garment Hardware – Zipper
See Addendum

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: NFPA 2112, Standard on Flame Resistant Garments for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire, Edition 2023

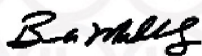
Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



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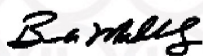
CERTIFICATE OF COMPLIANCE

Certificate Number MH64194
Report Reference MH64194-20210204
Issue Date 2022-November-10

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Certified Products:

STYLE DESIGNATION	SIZE	DESCRIPTION
DFR60-S	5	1 way separating zipper with Brass chain, Meta-Aramid tape, Brass Top Stop, Zamac Separating Unit, Zamac Slider
DFRH30	3	1 way non-separating zipper with Brass chain, Meta-Aramid tape, Brass Top & Bottom Stop, Zamac Slider
DFRH60	3	1 way non-separating zipper with Brass chain, Meta-Aramid tape, Brass Top & Bottom Stop, Zamac Slider
DQFR60-S	5	1 way separating zipper with Antique Brass chain, Meta-Aramid tape, Antique Brass Top Stop, Zamac Separating Unit, Zamac Slider
MFR30	3	1 way non-separating zipper with Plastic Fire Resistant chain, Meta Aramid tape, Plastic Fire Resistant Top & Bottom Stop, Zamac Slider
MFR60 FR	3	1 way non-separating zipper with Plastic FR chain, Meta-Aramid tape, Plastic FR Top & Bottom Stop, Plastic FR Slider
MFR60-S	5	1 way separating zipper with Plastic FR chain, Meta-Aramid tape, Plastic FR Top Stop, Plastic FR Separating Unit, Plastic FR Slider



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CERTIFICATE OF COMPLIANCE

Certificate Number MH61333
Report Reference MH61333-20160527
Issue Date 2022-November-10

Issued to: Corporación Rey S.A
Av. Oscar R. Benavides 5991
Callao, Peru

**This certificate confirms that
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Component - Zippers for use in protective clothing
See Page 2 of this Certificate for certified products

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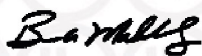
Standard(s) for Safety:
Additional Information:

See page 2 of this Certificate for applicable standards
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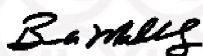
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Report Reference MH61333-20160527
Issue Date 2022-November-10

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

DESIGNATION	SIZE	TYPE	DESCRIPTION
DNX60	5	One-way Zipper, Non Separating	Brass Chain, Pulls and Stops; Nomex IIIA Tape
MNX60 FR	5	One-Way Zipper, Non-Separating	Nylon Resin (Amilan™) Chain, Stops and Pull Nomex IIIA tape
MNX60 2WAY	5	Two-way Zipper, Non-Separating	Nylon Resin (Amilan™) Chain, Stops and Pull; Nomex IIIA Tape
MNX60-S FR	5	One-way Zipper, Separating	Nylon Resin (Amilan™) Chain, Stops and Pull; Nomex IIIA Tape
DNX30	3	One-way Zipper, Non-Separating	Brass Chain, Pulls and Stops; Nomex IIIA Tape
DNX60-S	5	One-way Zipper, Separating	Brass Chain, Stops and Pull; Nomex IIIA Tape
DNX60 2WAY	5	Two-way Zipper, Non-Separating	Brass Chain, Stops and Pull; Nomex IIIA Tape
MNX30	3	One-way Zipper, Non-separating	Nylon Resin (Amilan™) Chain, Stops and Pull, Nomex IIIA Tape

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Standard	Title	Edition
NFPA 2112	Standard on Flame-Resistant Clothing for Protection of Industrial Personnel Against Short-Duration Thermal Exposures from Fire	2023
ASTM F1506	Standard Performance Specification for Flame Resistant and Electric Arc Rated Protective Clothing Worn By Workers Exposed To Flames and Electric Arcs	2020A



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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CATÁLOGO --- CIERRES IGNÍFUGOS

CON INSUMOS



JUNIO 2021

Cierres **Ignífugos**



DNX60-S



TOPE INF.
SEPARABLE



TOPE SUP.



PULLER



CREMALLERA



Color	Negro (900)
Puller	Automatico
Cinta	NOMEX
Ancho de cierre	35 - 37 mm.
Alta resistencia	140 Lbs.
Vida útil	Min. 6000 ciclos

Cierres **Ignífugos**



DNXH30



TOPE INF.
CERRADO



TOPE SUP.



PULLER



CREMALLERA

Color	Negro (900)
Puller	Automatico
Cinta	NOMEX
Ancho de cierre	30.5 - 31.5 mm.
Alta resistencia	120 Lbs.
Vida útil	Min. 6000 ciclos

Cierres **Ignífugos**



DNXH60



TOPE INF.
CERRADO



TOPE SUP.



PULLER



CREMALLERA



Color
Puller
Cinta

Ancho de cierre
Alta resistencia
Vida útil

Negro (900)
Automatico
NOMEX
35 - 37 mm.
140 Lbs.
Min. 6000 ciclos

JUNIO 2021

Cierres **Ignífugos**



MNX30



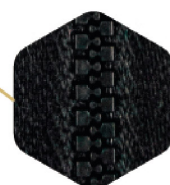
TOPE INF.
CERRADO



TOPE SUP.



PULLER



CREMALLERA

Color	Negro (900)
Puller	Automático
Cinta	NOMEX
Ancho de cierre	30.5 - 31.5 mm.
Alta resistencia	51 Lbs.
Vida útil	Min. 3000 ciclos

JUNIO 2021

Cierres **Ignífugos**



MNX60-S



TOPE INF.
SEPARABLE



TOPE SUP.



PULLER



CREMALLERA

Color	Negro (900)
Puller	Gap
Cinta	NOMEX
Ancho de cierre	35- 37 mm.
Alta resistencia	77 Lbs.
Vida útil	Min. 3000 ciclos

Cierres **Ignífugos**



**MNX60
FR**



TOPE INF.
CERRADO



TOPE SUP.



PULLER



CREMALLERA

Color	Negro (900)
Puller	Rectangular
Cinta	NOMEX
Ancho de cierre	35 - 37 mm.
Alta resistencia	77 Lbs.
Vida útil	Min. 3000 ciclos

Cierres **Ignífugos**



**MNX60-S
FR**



TOPE SUP.



PULLER



TOPE INF.
SEPARABLE



CREMALLERA

Color	Negro (900)
Puller	Rectangular
Cinta	NOMEX
Ancho de cierre	35 - 37 mm.
Alta resistencia	77 Lbs.
Vida útil	Min. 3000 ciclos

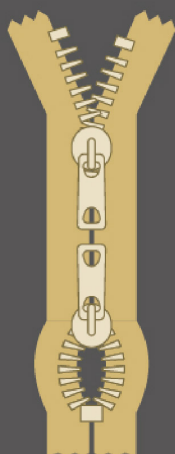
Cierres **Ignífugos**



MNX60 FR DOBLE LLAVE XO



MNX60 FR DOBLE LLAVE XO



Color

Puller

Cinta

Ancho de cierre

Alta resistencia

Vida útil

Negro (900)

**Rectangular
NOMEX**

35 - 37 mm.

77 Lbs.

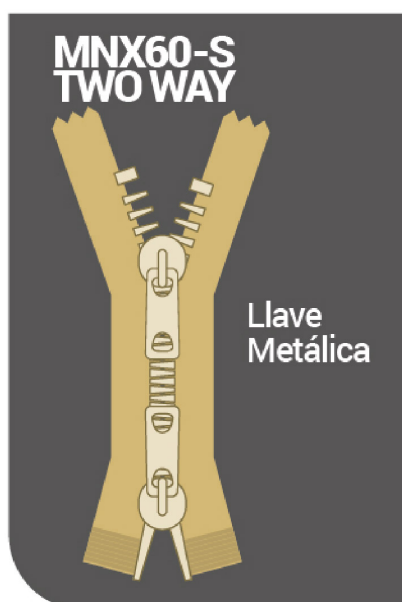
Min. 3000 ciclos

JUNIO 2021

Cierres **Ignífugos**



MNX60-S TWO WAY



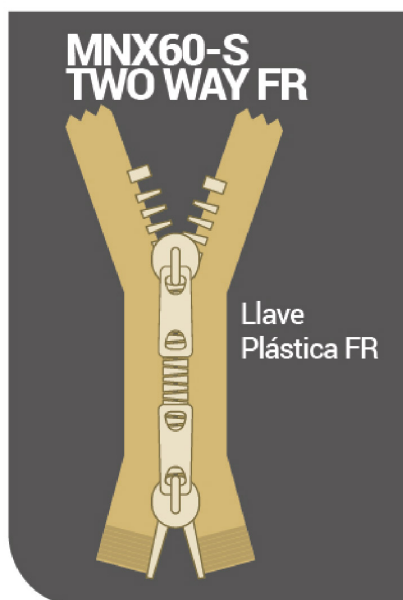
Color
Puller
Cinta
Ancho de cierre
Alta resistencia
Vida útil

Negro (900)
Gap
NOMEX
35 - 37 mm.
77 Lbs.
Min. 3000 ciclos

Cierres **Ignífugos**



MNX60-S TWO WAY FR



Color
Puller
Cinta
Ancho de cierre
Alta resistencia
Vida útil

Negro (900)
Rectangular
NOMEX
35 - 37 mm.
77 Lbs.
Min. 3000 ciclos

JUNIO 2021

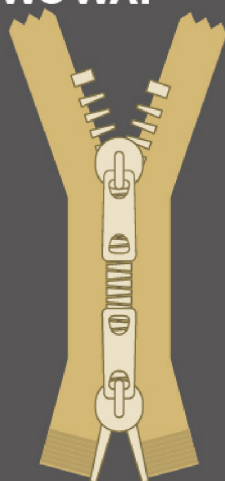
Cierres **Ignífugos**



DNX60-S TWO WAY



**DNX60-S
TWO WAY**



Color	Negro (900)
Puller	Gap
Cinta	NOMEX
Ancho de cierre	35 - 37 mm.
Alta resistencia	140 Lbs.
Vida útil	Min. 6000 ciclos

JUNIO 2021

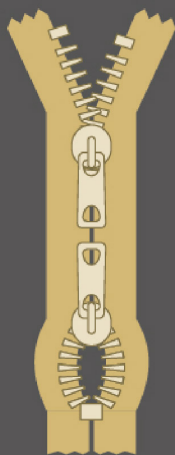
Cierres **Ignífugos**



DNXH60 DOBLE LLAVE XO



DNXH60 DOBLE LLAVE XO



Color
Puller
Cinta

Ancho de cierre
Alta resistencia
Vida útil

Negro (900)
Rectangular
NOMEX
35- 37 mm.
77 Lbs.
Min. 6000 ciclos

JUNIO 2021

Certificaciones

NFPA 2112
Fire Resistant

ASTM F1506
Resiste Exposición a Arco Eléctrico



FICHA TECNICA COMERCIAL DE PRODUCTO

CODIGO COMERCIAL	004-04974	DESCRIPCION GENERAL	
NOMBRE COMERCIAL	MNX30	CIERRE NOMEX PLASTICO CERRADO # 3, CON DESLIZADOR AUTOMATICO.	
LINEA DE PRODUCTO	PLASTICO # 3	TIPO DE PRODUCTO	CERRADO

ESPECIFICACIONES GENERALES

				METODO DE ENSAYO	
CREMALLERA	TAMAÑO	3		-	IMAGEN
	MATERIAL	RESINA FIRE RESISTENT		-	
	LONGITUD CREMALLERA	DE ACUERDO A PEDIDO		-	
	TOLERANCIA LONGITUD DE CREMALLERA	LONGITUD < 15 CM	+/- 3 MM	ASTM D 2060	
		LONGITUD >= 15 Y < 30 CM	+/- 4MM	ASTM D 2060	
		LONGITUD >= 30 Y < 120 CM	+/- 5 MM	ASTM D 2060	
		LONGITUD >= 120 CM	+ 1% MED. SOL.	ASTM D 2060	
	RESISTENCIA TRANSVERSAL	MIN. 51 LB		ASTM D 2061	
CIERRE	MATERIAL DE LA CINTA	NOMEX		-	
	ANCHO TOTAL DEL CIERRE	30.5 - 31.5 MM		ASTM D 2060	
	ANCHO DE LA CINTA	15 - 16 MM		ASTM D 2060	
	MEDIDA EXTENSIONES SUP (GAP)	20 +/- 1 MM		ASTM D 2060	
TOPES	MATERIAL	RESINA FIRE RESISTENT		-	
	RESISTENCIA TOPE SUPERIOR	MIN. 18 LB		ASTM D 2061	
	RESISTENCIA TOPE INFERIOR - SEPARACION CINTAS	MIN. 10 LB		ASTM D 2061	
LLAVE	MATERIAL DESLIZADOR	ZAMAC		-	
	MATERIAL TIRADOR	ZAMAC		-	
	TIPO DE SEGURO	AUTOMATICO		-	
	ACABADO	ESMALTADO		-	
	RESISTENCIA TIRADOR	MIN. 30 LB		ASTM D 2061	
	RESISTENCIA SEGURO	MIN. 9 LB		ASTM D 2061	

USOS

USOS RECOMENDADOS PARA PRENDAS INDUSTRIALES - ROPA TÉCNICA (EN GRIFOS, FUNDICIONES, PLANTAS DE GAS Y REFINERIAS).
CUMPLE NORMA NFPA 2112.

RECOMENDACIONES

Recomendaciones de mantenimiento:
- No lavar con cloro.

Fecha : 26/10/2017

Gerencia I & D



FICHA TECNICA COMERCIAL DE PRODUCTO

CODIGO COMERCIAL	004-17078	DESCRIPCION GENERAL	
NOMBRE COMERCIAL	MNX60-S FR	CIERRE CON CINTA NOMEX , DIENTES DE PLASTICO FR SEPARABLE #6, CON LLAVE PLASTICA AUTO FLAME RETARD	
LINEA DE PRODUCTO	PLASTICO # 6	TIPO DE PRODUCTO	SEPARABLE

ESPECIFICACIONES GENERALES

				METODO DE ENSAYO	IMAGEN REFERENCIAL
CREMALLERA	TAMAÑO	6		-	
	MATERIAL	RESINA FIRE RESISTENT		-	
	LONGITUD CREMALLERA	DE ACUERDO A PEDIDO		-	
	TOLERANCIA LONGITUD DE CREMALLERA	LONGITUD < 15 CM	+/- 3 MM	ASTM D 2060	
		LONGITUD >= 15 Y < 30 CM	+/- 4MM	ASTM D 2060	
		LONGITUD >= 30 Y < 120 CM	+/- 5 MM	ASTM D 2060	
		LONGITUD >= 120 CM	+ 1% MED. SOL.	ASTM D 2060	
	RESISTENCIA TRANSVERSAL	MIN. 77 LBF		ASTM D 2061	
CIERRE	MATERIAL DE LA CINTA	NOMEX		-	
	ANCHO TOTAL DEL CIERRE	35 - 37 MM		ASTM D 2060	
	ANCHO DE CINTA	16.5 - 17.5 MM		ASTM D 2060	
	MEDIDA EXTENSIONES SUP (GAP)	20 +/- 1 MM		ASTM D 2060	
TOPE	MATERIAL	RESINA FIRE RESISTENT		-	
	RESISTENCIA TOPE SUPERIOR	MIN. 20 LB		ASTM D 2061	
	RESISTENCIA TRAVERSAL DEL SEPARABLE	MIN. 25 LB		ASTM D 2061	
LLAVE	MATERIAL DESLIZADOR	PLASTICO FLAME RETARD		-	
	MATERIAL TIRADOR	PLASTICO FLAME RETARD		-	
	TIPO DE SEGURO	AUTOMATICO		-	
	ACABADO	NEGRO NATURAL		-	
	RESISTENCIA TIRADOR	MIN. 30 LB		ASTM D 2061	
	RESISTENCIA SEGURO	MIN. 11 LB		ASTM D 2061	

USOS

USOS RECOMENDADOS PARA PRENDA INDUSTRIALES - ROPA TÉCNICA (EN GRIFOS, FUNDICONES , PLANTAS DE GAS Y REFINERIAS).
CUMPLE NORMA NFPA 2112 y ASTM F1506.

RECOMENDACIONES

ESTE TIPO DE CIERRES NO SON RECOMENDABLES PARA PROCESOS DE LAVANDERIAS INDUSTRIALES.

Fecha : 27/09/2022

Gerencia I & D



FICHA TECNICA COMERCIAL DE PRODUCTO

CODIGO COMERCIAL	004-17077	DESCRIPCION GENERAL	
NOMBRE COMERCIAL	MNX60 FR	CIERRE CON CINTA DE NOMEX, CREMALLERA PLASTICO FR CERRADO # 6, CON LLAVE PLASTICA AUTO FLAME RETARD.	
LINEA DE PRODUCTO	PLASTICO # 6	TIPO DE PRODUCTO	CERRADO

ESPECIFICACIONES GENERALES

				METODO DE ENSAYO	IMAGEN REFERENCIAL
CREMALLERA	TAMAÑO	6		-	
	MATERIAL	RESINA FIRE RESISTENT		-	
	LONGITUD CREMALLERA	DE ACUERDO A PEDIDO		-	
	TOLERANCIA LONGITUD DE CREMALLERA	LONGITUD < 15 CM	+/- 3 MM	ASTM D 2060	
		LONGITUD >= 15 Y < 30 CM	+/- 4MM	ASTM D 2060	
		LONGITUD >= 30 Y < 120 CM	+/- 5 MM	ASTM D 2060	
		LONGITUD >= 120 CM	+ 1% MED. SOL.	ASTM D 2060	
	RESISTENCIA TRANSVERSAL	MIN. 77 LB		ASTM D 2061	
CIERRE	MATERIAL DE LA CINTA	NOMEX		-	
	ANCHO TOTAL DEL CIERRE	35 - 37 MM		ASTM D 2060	
	ANCHO DE LA CINTA	16.5 - 17.5 MM		ASTM D 2060	
	MEDIDA EXTENSIONES SUP (GAP)	20 +/- 1 MM		ASTM D 2060	
TOPE	MATERIAL	RESINA FIRE RESISTENT		-	
	RESISTENCIA TOPE SUPERIOR	MIN. 13 LB		ASTM D 2061	
	RESISTENCIA TOPE INFERIOR - SEPARACION CINTAS	MIN. 15 LB		ASTM D 2061	
LLAVE	MATERIAL DESLIZADOR	PLASTICO FLAME RETARD		-	
	MATERIAL TIRADOR	PLASTICO FLAME RETARD		-	
	TIPO DE SEGURO	AUTOMATICO		-	
	ACABADO	NEGRO NATURAL		-	
	RESISTENCIA TIRADOR	MIN. 30 LB		ASTM D 2061	
	RESISTENCIA SEGURO	MIN. 11 LB		ASTM D 2061	

USOS

USOS RECOMENDADOS PARA PRENDA INDUSTRIALES - ROPA TÉCNICA (EN GRIFOS, FUNDICONES , PLANTAS DE GAS Y REFINERIAS).

ESTE TIPO DE CIERRES NO SON RECOMENDABLES PARA PROCESOS DE LA VANDERIAS INDUSTRIALES.
CUMPLE NORMA NFPA 2112

Fecha : 22/12/22			
		Gerencia I & D	

CERTIFICATE OF COMPLIANCE

Certificate Number MH61333
Report Reference MH61333-20160526
Issue Date 2022-August-26

Issued to: Corporación Rey S.A
Av. Oscar R. Benavides 5991
Callao, Peru

**This certificate confirms that
representative samples of**

Component - Sewing Threads for use in Protective Clothing
See Page 2 of this Certificate for certified products

Have been investigated by UL in accordance with the
component requirements in the Standard(s) indicated on
this Certificate. UL Recognized components are incomplete
in certain constructional features or restricted in
performance capabilities and are intended for installation in
complete equipment submitted for investigation to UL LLC.

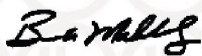
Standard(s) for Safety: NFPA 2112, Flame-Resistant Clothing for Protection of
Industrial Personnel Against Short-Duration Thermal
Exposures from Fire, 2023 Edition

Additional Information: See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only
the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified
and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

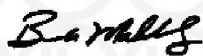
Certificate Number MH61333
Report Reference MH61333-20160526
Issue Date 2022-August-26

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

The sewing threads consist of the following composition and in any size and color:

PRODUCT DESIGNATION	COMPOSITION
Tex XX Crag-Spun	100% Nomex 450

XX - Indicates any size



Bruce Mahrenholz, Director North American Certification Program
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





CATÁLOGO DE
COLORES DE
**TEJIDOS
DE PUNTO
IGNÍFUGOS
INHERENTES**



TEJIDOS DE PUNTO

IGNÍFUGOS

**TECNOLOGÍA
DUPONT**

Tejido

*GAMUZA **NOMEX** 38/1 - 220 g/m²*

Fabricados con fibras Nomex IIIA (Nomex 462)

DETALLES DE LOS TEJIDOS

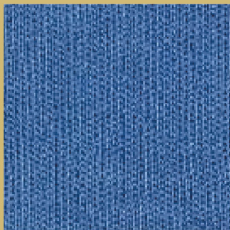
Nombre comercial	Código tejido	Peso g/m2	Rendimiento m/kg
GAMUZA NOMEX 38/1	G1860	220 +-5%	2.9 +- 5%

Capas de tejido	ATPV - cal/cm2	HAF	Categoría	Ancho de Tela
1	5.9	68%	1	157 cm +- 0.5%

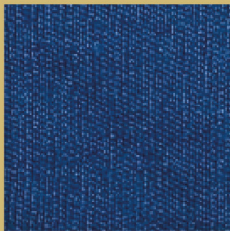
Código: 6996
Nombre: Ecrú NX



Código: 6997
Nombre: Light Blue NX



Código: 7024
Nombre: Royal Blue NX



Código: 7051
Nombre: Light Grey NX



Código: 6998
Nombre: Orange NX



Código: 7007
Nombre: Navy Blue NX



Código: 7030
Nombre: Sand NX



Código: 7047
Nombre: Verde Militar NX



- ATPV:** Indica la cantidad de energía térmica que un tejido o conjunto de ropa ignífuga puede soportar antes de que haya una probabilidad significativa de que se produzca una segunda o tercer grado de quemadura en la piel bajo el material. Se mide en unidades de energía por centímetro cuadrado (cal/cm²).
- HAF:** Factor de atenuación de calor (Heat Attenuation Factor) que es el porcentaje de energía incidente que es bloqueada por el material probado cuando se somete al arco eléctrico a un cierto valor de energía incidente.

La gamuza Nomex 38/1 es un tipo de tejido circular que tiene 2 características importantes:

- 1.- Es inherente ignífugo, tiene como característica que en exposición a llamas abiertas y calor radiante prolongado se puede prender, pero inmediatamente se apaga.

Cumple la norma NFPA 2112 edición 2022 – Fuego repentino / Fuego vertical.

- 2.- Resistencia a exposición de arco eléctrico.

El arco eléctrico es una descarga eléctrica continua de alta corriente que fluye a través de un espacio de aire entre los conductores. Un arco eléctrico la causa normalmente un cortocircuito.

Cumple norma ASTM 1506, resistencia a arco eléctrico.

Categoría: Protección mínima frente al arco (cal/cm²).

Categoría EPI PPE Category	Protección mínima frente al arco (cal/cm ²) Minimum Arc Rating (cal/cm ²)
1	4
2	8
3	25
4	40

Presentación tela: Rollo

Metros por Rollo: 60 m +- 5%

APLICACIÓN EN PRENDAS

Balaclava



TEJIDOS DE PUNTO
IGNÍFUGOS
**TECNOLOGÍA
DUPONT**

Imagen referencial

APLICACIÓN EN PRENDAS

Camiseta Fire proof



Nomex 



TEJIDOS DE PUNTO
IGNÍFUGOS
TECNOLOGÍA
DUPONT

Imagen referencial



CORPORACIÓN
REY S.A.

D: Oscar R. Benavides 5991, Callao 1, Lima Perú

E: ventas3@rey.com.pe

W: www.rey.com.pe





TELA GAMUZA
COLOR ECRU NX
CÓDIGO: 6996
DENSIDAD (220 GR / M2) +- 5%



TEJIDO
PLANO IGNÍFUGO



FICHA TECNICA COMERCIAL DE PRODUCTO

DESCRIPCION GENERAL					IMAGEN	
CODIGO DEL PRODUCTO	MARCA DEL PRODUCTO	TIPO DE TELA	ESTRUCTURA BASE	PREVENCIÓN DE RIESGOS		
004 - 32009	"ESTELAR - TFA 01"	PLANA	LANILLA IGNÍFUGO	RIESGOS MÚLTIPLES		
COMPOSICIÓN		LENZING FR / META ARAMIDA / PARA ARAMIDA / FIBRA ANTIESTÁTICA				
DENOMINACIÓN DESCRIPTIVA		TELA PLANA LANILLA FR - ULTRA SOFT & ARC - INHERENT 160				
GRAMAJE - PESO - DENSIDAD STANDARD		160 g/m2 +- 5% (4. 72 oz/yd2)				
ANCHO DE LA TELA		155 cm +- 3%				
RENDIMIENTO STANDARD		4.12 m/Kg+ 2%				
TECNOLOGÍA DE PROTECCIÓN TÉRMICA		INHERENTE IGNÍFUGA FR/AR - "Protection for Life"				
CATEGORIA DE PROTECCIÓN		1				
PROTECCIÓN / COBERTURA DE RIESGOS		Fuego Repentino-Arco Eléctrico-Químicos-Salpicaduras de metal fundido-Fuego Forestal				

ESPECIFICACIONES GENERALES										
FACTORES DE PROTECCIÓN										
INDICE DE ARCO ATPV (ARC RATING)	CAPAS DE TELA PLANA	CAPAS N°	ESTRUCTURAS DE TELA PLANA	OBJETIVO REY		ARC RAITING - REPORTE AITEX -				CATEGORÍA
	1 CAPA	1 - Mono Capa	ESTELAR TFA 01 - TAFETAN 160	CATEGORIA	ATPV Cal/cm2	ATPV Cal/cm2	Ebt /Break Open Cal/cm2	ELIM Cal/cm2	HAF %	NFPA 70-E
LONGITUD CARBONIZADO	cm	max 4 " (10.16 cm)		1	4 - 7.9	6.64	16.04	5.4	73.2	1
TIEMPO DE RESPLANDOR	Seg	max 2		ASTM D6413 (exposición 12 segundos)						
TIEMPO DE POST - LLAMARADA	Seg	max 2								
DERRETIMIENTO O GOTEÓ	VISUAL	SIN GOTEÓ / SIN DERRETIMIENTO								
PROTECCIÓN RAYOS UV			UPF +	UPF + 50			AATCC TM 183-2020			
REPELENCIA A FLUIDOS (NATURAL)			SPRAY TEST	85 MAX	Min 75			AATCC TM 22-217E		
ABSORBENCIA DE LA TELA (Gotas de agua)			PRUEBA DE AGUA	Min < + 5 seg			AATCC TM 79 - 210 e2 (2018) e3			
REPELENCIA AL ÁCIDO SULFÚRICO AL 98.5%			PRUEBA INTERNA	Min < + 5 seg			PRUEBA INTERNA (5 GOTAS)			

CARACTERÍSTICAS TEXTILES				
REQUISITO	UNIDAD	OBJETIVO	TOLERANCIA	MÉTODO
ESTABILIDAD DIMENSIONAL DEL TEJIDO	%	Max 5 x 5	1 - 5	AATCC TM 135-2018t
RESISTENCIA A LA TRACCIÓN - URDIMBRE	NEWTONS	375	350-400 N	ASTM D 5034-21
RESISTENCIA A LA TRACCIÓN - TRAMA	NEWTONS	300	250-350 N	ASTM D 5034-21
RESISTENCIA AL RASGADO - URDIMBRE	NEWTONS	20	19-25 N	ASTM D 1424 - 21
RESISTENCIA AL RASGADO - TRAMA	NEWTONS	17	16-22 N	ASTM D 1424 - 21
RESISTENCIA A LA EXPLOSIÓN (ESTALLIDO)	PSI	165	150 - 190	ASTM D 3776 - 2020
PILLING	GRADO (fotográfica)	4	Min 3	ASTM D 3512/D3512 M - 22
ABRASIÓN	CICLOS	> 10,000 CICLOS	> 10,000 CICLOS	ASTM D 4966 - 2022
SOLIDEZ AL LAVADO EN SECO	ESCALA GRIS	4.5	Min 3,5	AATCC TM132-2004e3(2013)
LAVADO DOMÉSTICO	ESCALA GRIS	4.5	Min 3	AATCC TM61.2013e2(2020)

OBSERVACIONES		RECOMENDACIONES DE LAVADO	
TELA PARA CONFECCIÓN DE ROPA INDUSTRIAL DE PROTECCIÓN CONTRA EL FUEGO REPENTINO, ARCO ELÉCTRICO, FUEGO FORESTAL Y OTROS			
CUMPLE CON NFPA 70E - NFPA 2112 - ASTM 1506 - ASTM F 1959/F1959M-ASTM D 6413 - ASTM 1930 - 16 CFR 1610 : 2008			
USO PRINCIPAL DE LA TELA: FORRO EN LA CONFECCIÓN (SIN REPELENCIA AL AGUA NI UV)			
Fecha : Nov/2024, Rev. 00		Gerencia I & D	

ESTELAR - TFA 01



ESTELAR - TFA 01

004-32009

TELA PLANA

LANILLA FR

ULTRA SOFT & ARC

NAVY BLUE NX



FICHA TECNICA COMERCIAL DE PRODUCTO

DESCRIPCION GENERAL										IMAGEN		
CODIGO DEL PRODUCTO		MARCA DEL PRODUCTO	TIPO DE TELA		ESTRUCTURA BASE		PREVENCIÓN DE RIESGOS					
004 - 32008		"ESTELAR - SRG 01"	PLANA		CASIMIR IGNIFUGO		RIESGOS MÚLTIPLES					
COMPOSICIÓN												
LENZING FR / META ARAMIDA / PARA ARAMIDA / FIBRA ANTESTÁTICA												
DENOMINACIÓN DESCRIPTIVA												
TELA PLANA CASIMIR FR - ULTRA SOFT & ARC - INHERENT 250												
GRAMAJE - PESO - DENSIDAD STANDARD												
250 g/m2 +/- 5% (7.37 oz/yd2)												
ANCHO DE LA TELA												
155 cm +/- 3%												
RENDIMIENTO STANDARD												
2.55 m/Kg +/- 2%												
TECNOLOGÍA DE PROTECCIÓN TÉRMICA												
INHERENTE IGNIFUGA FR/AR - "Protection for Life"												
CATEGORIA DE PROTECCIÓN												
CATEGORIA 2 (1 CAPA SARGA) - CATEGORIA 3 (1 CAPA SARGA + 1 CAPA TAFETAN)												
PROTECCIÓN / COBERTURA DE RIESGOS												
Fuego Repentino-Arco Eléctrico-Químicos-Salpicaduras de metal fundido-Fuego Forestal												
ESPECIFICACIONES GENERALES												
FACTORES DE PROTECCIÓN												
INDICE DE ARCO ATPV (ARC RATING)	CAPAS DE TELA PLANA	CAPAS Nº	ESTRUCTURAS DE TELA PLANA		OBJETIVO REY		ARC RAITING - REPORTE AITEX -				CATEGORÍA	
					CATEGORIA	ATPV Cal/cm2	ATPV Cal/cm2	Ebt /Break Open	Cal/cm2	ELIM Cal/cm2	HAF %	
												NFPA 70-E
	1 CAPA	1 - Mono Capa	ESTELAR SGR 01	SARGA 250	2	8 - 25	9.20	No rotura		8.9	76.85	2
	2 CAPAS	1 ra capa - (EXTERNA)	ESTELAR SGR 01	SARGA 250	3	25 - 30	28.46 (28)	No rotura		18.2	90.84	3
		2 da capa - (INTERNA)	ESTELAR TFA 01 - TAFETAN 160									
LONGITUD CARBONIZADO DESGARRE			cm		max 4 " (10.16 cm)		ASTM D6413 (exposición 12 segundos)					
TIEMPO DE RESPLANDOR			Seg		max 2							
TIEMPO DE POST - LLAMARADA			Seg		max 2							
DERRETIMIENTO O GOTEÓ			VISUAL		SIN GOTEÓ / SIN DERRETIMIENTO							
PROTECCIÓN RAYOS UV			UPF +		UPF + 50		AATCC TM 183-2020					
REPELENCIA A FLUIDOS (NATURAL)			SPRAY TEST		85 MAX		Min 75		AATCC TM 22-217E			
ABSORBENCIA DE LA TELA (Gotas de agua)			PRUEBA DE AGUA		Min < + 5 seg		AATCC TM 79 - 210 e2 (2018) e3					
REPELENCIA AL ÁCIDO SULFÚRICO AL 98.5%			PRUEBA INTERNA		Min < + 5 seg		PRUEBA INTERNA (5 GOTAS)					
CARACTERÍSTICAS TEXTILES												
REQUISITO		UNIDAD	OBJETIVO	TOLERANCIA	MÉTODO							
ESTABILIDAD DIMENSIONAL DEL TEJIDO		%	Max 5 x 5	1 - 5	AATCC TM 135-2018t							
RESISTENCIA A LA TRACCIÓN - URDIMBRE		NEWTONS	700	500-900	ASTM D 5034-21							
RESISTENCIA A LA TRACCIÓN - TRAMA		NEWTONS	550	400-600	ASTM D 5034-22							
RESISTENCIA AL RASGADO - URDIMBRE		NEWTONS	22	20-23	ASTM D 5034-23							
RESISTENCIA AL RASGADO - TRAMA		NEWTONS	20	19 - 21	ASTM D 5034-24							
RESISTENCIA A LA EXPLOSIÓN (ESTALLIDO)		PSI	165	150 - 190	ASTM D 5034-25							
PILLING		GRADO (Ref. fotográfica)	4	Min 3	ASTM D 5034-26							
ABRASIÓN		CICLOS	> 10,000 CICLOS	> 10,000 CICLOS	ASTM D 5034-27							
SOLIDEZ AL LAVADO EN SECO		ESCALA GRIS	4.5	Min 3,5	ASTM D 5034-28							
LAVADO DOMÉSTICO		ESCALA GRIS	4.5	Min 3	ASTM D 5034-29							
OBSERVACIONES												
TELA PARA CONFECCIÓN DE ROPA INDUSTRIAL DE PROTECCIÓN CONTRA EL FUEGO REPENTINO, ARCO ELÉCTRICO, FUEGO FORESTAL Y OTROS										RECOMENDACIONES DE LAVADO		
CUMPLE CON NFPA 70E - NFPA 2112 - ASTM 1506 - ASTM F 1959/F1959M-ASTM D 6413 - ASTM 1930 - 16 CFR 1610 : 2008												
USO PRINCIPAL DE LA TELA: CAPA EXTERNA EN CONFECCION DE PRENDAS DE VESTIR												
Fecha : Dici/2024, Rev. 00												
										Gerencia I & D		

ESTELAR - SRG 01



ESTELAR - SRG 01

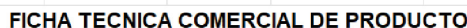
004-32008

TELA PLANA

CASIMIR FR

ULTRA SOFT & ARC

NAVY BLUE NX

Gerencia I & D



FICHA TECNICA COMERCIAL DE PRODUCTO

DESCRIPCION GENERAL					IMAGEN						
CODIGO DEL PRODUCTO	MARCA DEL	TIPO DE TELA	ESTRUCTURA BASE	PREVENCIÓN DE RIESGOS							
	PRODUCTO										
004 - XXXXX	"ESTELAR - TFA 02"	PLANA	LANILLA IGNÍFUGO	RIESGOS MÚLTIPLES							
COMPOSICIÓN	LENZING FR / META ARAMIDA / PARA ARAMIDA / FIBRA ANTIESTÁTICA										
DENOMINACIÓN DESCRIPTIVA	TELA PLANA LANILLA FR - ULTRA SOFT & ARC - INHERENT 160										
GRAMAJE - PESO - DENSIDAD STANDARD	160 g/m2 +/- 5% (4. 72 oz/yd2)										
ANCHO DE LA TELA	155 cm +/- 3%										
RENDIMIENTO STANDARD	4.12 m/kg +/- 2%										
TECNOLOGÍA DE PROTECCIÓN TÉRMICA	INHERENTE IGNÍFUGA FR/AR - "Protection for Life"										
CATEGORÍA DE PROTECCIÓN	1										
PROTECCIÓN / COBERTURA DE RIESGOS	Fuego Repentino-Arco Eléctrico-Químicos-Salpicaduras de metal fundido-Fuego Forestal										
ESPECIFICACIONES GENERALES											
FACTORES DE PROTECCIÓN											
INDICE DE ARCO ATPV (ARC RATING)	CAPAS DE TELA PLANA	CAPAS N°	ESTRUCTURAS DE TELA PLANA	OBJETIVO REY		ARC RAITING - REPORTE AITEX -					CATEGORÍA
				CATEGORIA	ATPV Cal/cm2	ATPV Cal/cm2	Ebt /Break Open Cal/cm2	ELIM Cal/cm2	HAF %	NFPA 70-E	
	1 CAPA	1 - Mono Capa	ESTELAR TFA 01 - TAFETAN 160	1	4 - 7.9	6.64	16.04	5.4	73.2	1	
LONGITUD CARBONIZADO	cm	max 4 " (10.16 cm)		ASTM D6413 (exposición 12 segundos)							
TIEMPO DE RESPLANDOR	Seg	max 2									
TIEMPO DE POST - LLAMARADA	Seg	max 2									
DERRETIMIENTO O GOTEO	VISUAL	SIN GOTEO / SIN DERRETIMIENTO									
CARACTERÍSTICAS TEXTILES											
REQUISITO	UNIDAD	OBJETIVO	TOLERANCIA	MÉTODO							
ESTABILIDAD DIMENSIONAL DEL TEJIDO	%	Max 5 x 5	1 - 5	AATCC TM 135-2018t							
RESISTENCIA A LA TRACCIÓN - URDIMBRE	NEWTONS	375	350-400 N	ASTM D 5034-21							
RESISTENCIA A LA TRACCIÓN - TRAMA	NEWTONS	300	250-350 N	ASTM D 5034-21							
RESISTENCIA AL RASGADO - URDIMBRE	NEWTONS	20	19-25 N	ASTM D 1424 - 21							
RESISTENCIA AL RASGADO - TRAMA	NEWTONS	17	16-22 N	ASTM D 1424 - 21							
RESISTENCIA A LA EXPLOSIÓN (ESTALLIDO)	PSI	165	150 - 190	ASTM D 3776 - 2020							
PILLING	GRADO (fotográfica)	4	Min 3	ASTM D 3512/D3512 M - 22							
ABRASIÓN	CICLOS	> 10,000 CICLOS	> 10,000 CICLOS	ASTM D 4966 - 2022							
SOLIDEZ AL LAVADO EN SECO	ESCALA GRIS	4.5	Min 3,5	AATCC TM132-2004e3(2013)							
LAVADO DOMÉSTICO	ESCALA GRIS	4.5	Min 3	AATCC TM61.2013e2(2020)							
OBSERVACIONES											
TELA PARA CONFECCIÓN DE ROPA INDUSTRIAL DE PROTECCIÓN CONTRA EL FUEGO REPENTINO, ARCO ELÉCTRICO, FUEGO FORESTAL Y OTROS					RECOMENDACIONES DE LAVADO						
CUMPLE CON NFPA 70E - NFPA 2112 - ASTM 1506 - ASTM F 1959/F1959M-ASTM D 6413 - ASTM 1930 - 16 CFR 1610 : 2008											
USO PRINCIPAL DE LA TELA: FORRO EN LA CONFECCIÓN (SIN REPELENCIA AL AGUA NI UV)											
Fecha : Nov/2024, Rev. 00					Gerencia I & D						



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