



ADVANCED FABRIC MANUFACTURER

Product Details

Phone
+91-9896039393

Email
info@ecosynx.org

Official Website
www.ecosynx.org

Add.: Vill. Balana
Near N.C Medical College
Israna, Panipat-132107 (India)

CIN: U382110HR2024PTC119112



Ecosynx-PA-E300-130-288



Ecosynx-PA-E300-130-288

Weaving

Ref. 28-19

Description

Para Aramid/Glass fibres blended fabric for protection against thermal hazards

Structural qualities

Specification

Weave

Plain

Weight (g/m²)

288 ± 5%

Width (cm)

153 (± 1%)

Protection Against Thermal Hazards

Method

Levels

Fabric sample

Limited flame spread

ISO 11612

A1, A2

Convective heat

B1

Radiant heat

C2

Contact heat transmission

F1



Mechanical Performance

Method

Value

Tensile strength (warp/weft)

ISO 13934-1

1478.7 N / 1303.6 N (± 10%)

Tear strength (warp/weft)

ISO 13937-2

225.6 N / 220.8 N (± 10%)

Puncture resistant

EN 388:2016

28.34 N (Level-1)

Normative

ISO 11612

Protective clothing- Clothing to protect heat and flame.

ISO 13934-1

Textiles — Tensile properties of fabrics

ISO 13937-2

Textiles — Tear properties of fabrics

EN 388:2016

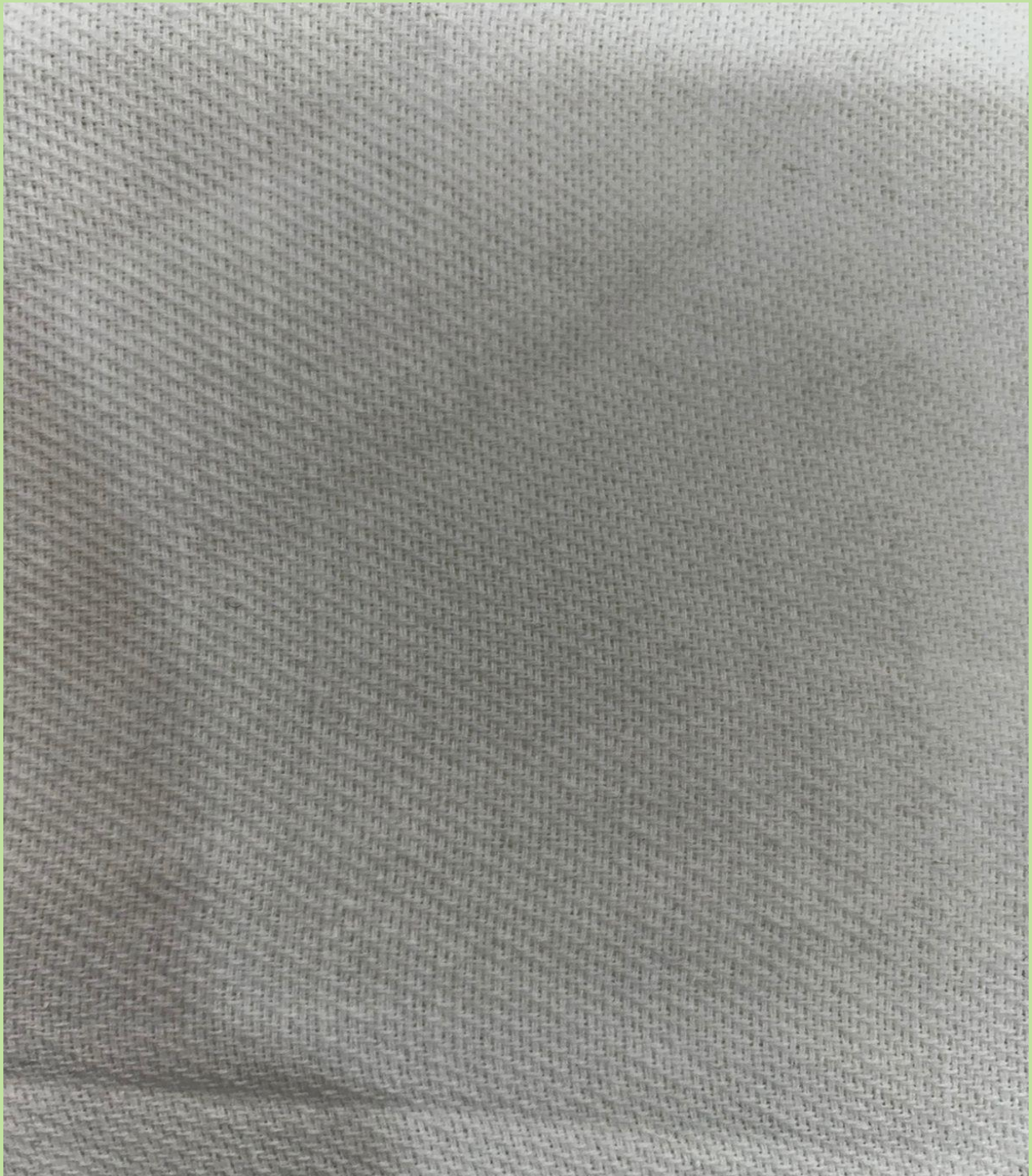
Protective gloves against mechanical risks.

Application Areas

Glass industry, Steel industry, Automotive industry

* All values are approximate and subject to standard testing variability.

Ecosynx-PAMO-E100-76-438



Ecosynx-PAMO-E100-76-438

Weaving

Ref. 92-34

Description

Para Aramid/Modacrylic/Glass fibres blended fabric for protection against thermal and mechanical hazards

Structural qualities

Specification

Weave

Twill

Weight (g/m²)

438 ± 5%

Width (cm)

153 (± 1%)

Protection Against Thermal Hazards

Method

Levels

Fabric sample

Limited flame spread

ISO 11612

A1, A2

Convective heat

B1

Radiant heat

C2

Contact heat transmission

F1



Mechanical Performance

Method

Value

Tensile strength (warp/weft)

ISO 13934-1

1734.7 N / 1658.6 N (± 10%)

Tear strength (warp/weft)

ISO 13937-2

207.2 N / 204.5 N (± 10%)

Puncture resistant

EN 388:2016

20.3 N (Level-1)

Normative

ISO 11612

Protective clothing- Clothing to protect heat and flame.

ISO 13934-1

Textiles — Tensile properties of fabrics

ISO 13937-2

Textiles — Tear properties of fabrics

EN 388:2016

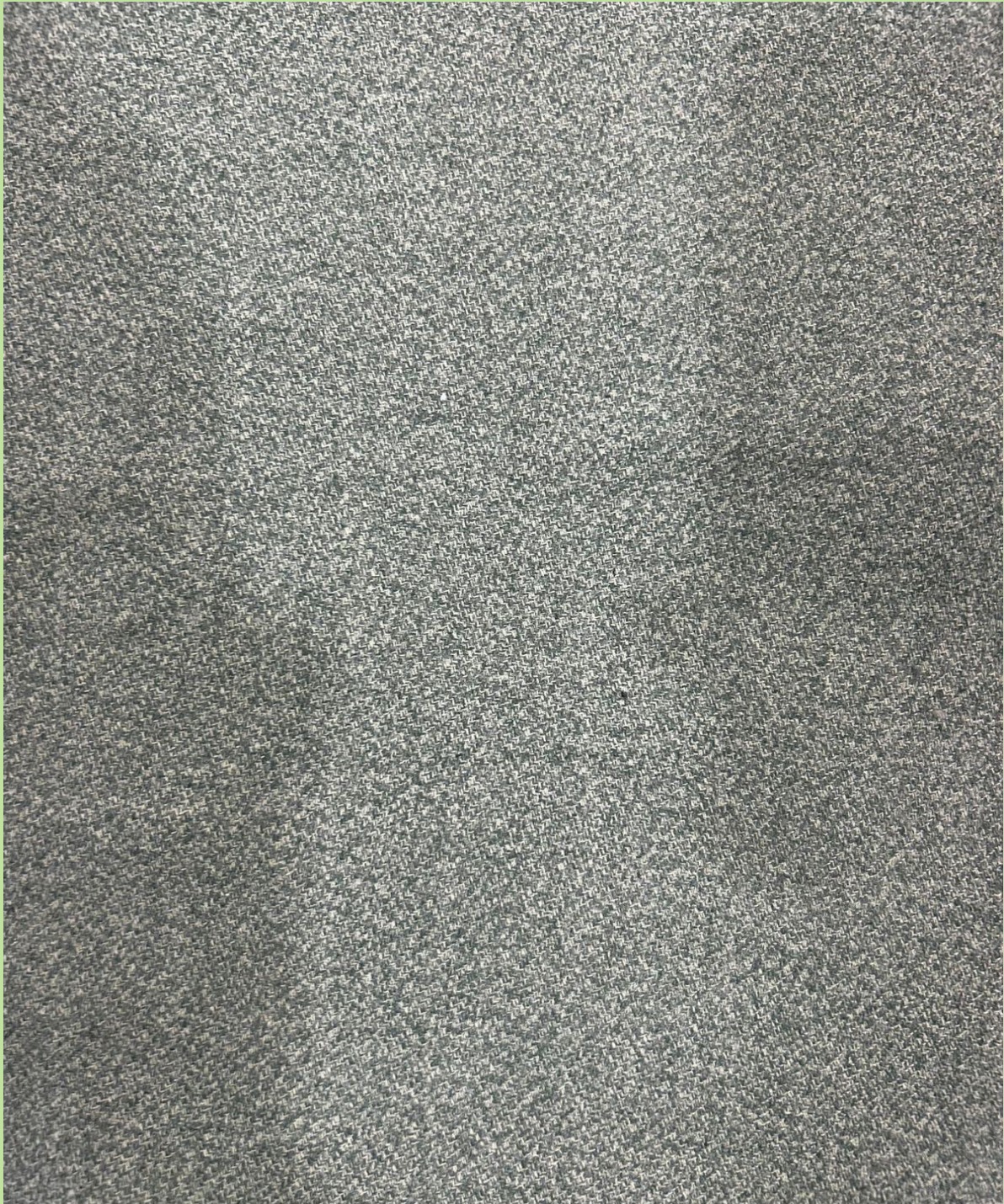
Protective gloves against mechanical risks.

Application Areas

Glass industry, Steel industry, Automotive industry

* All values are approximate and subject to standard testing variability.

Ecosynx-PAMOG-E200-368



Ecosynx-PAMODAG-E200-368

Weaving

Ref. 86-44

Description

Para Aramid/Modacrylic/Glass fibres blended fabric for protection against thermal and mechanical hazards

Structural qualities

Specification

Weave

Plain

Weight (g/m²)

368 ± 5%

Width (cm)

153 (± 1%)

Protection Against Thermal Hazards

Method

Levels

Fabric sample

Limited flame spread

ISO 11612

A1, A2

Convective heat

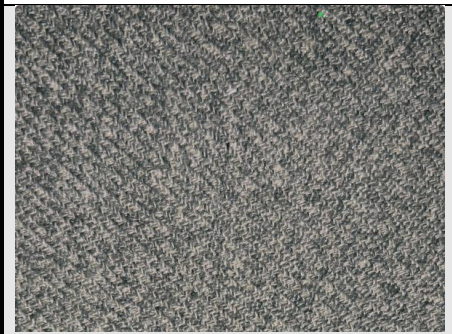
B1

Radiant heat

C2

Contact heat transmission

F1



Mechanical Performance

Method

Value

Tensile strength (warp/weft)

ISO 13934-1

3063.7 N / 2966.6 N (± 10%)

Tear strength (warp/weft)

ISO 13937-2

240.65 N / 236.42 (± 10%)

Puncture resistant

EN 388:2016

90.61 N (Level-2)

Normative

ISO 11612

Protective clothing- Clothing to protect heat and flame.

ISO 13934-1

Textiles — Tensile properties of fabrics

ISO 13937-2

Textiles — Tear properties of fabrics

EN 388:2016

Protective gloves against mechanical risks.

Application Areas

Glass industry, Steel industry, Automotive industry

* All values are approximate and subject to standard testing variability.

Ecosynx-PAMOG/SS-W30-130-292



Ecosynx-PAMOG/SS-W30-130-292

Weaving

Ref. 44-36

Description

Para Aramid/Modacrylic/Stainless steel blended fabric for protection against thermal hazards

Structural qualities

Specification


Weave	Plain
Weight (g/m ²)	292 ± 5%
Width (cm)	153 (± 1%)

Protection Against Thermal Hazards

Method

Levels

Fabric sample

Limited flame spread	ISO 11612	A1, A2	
Convective heat		B1	
Radiant heat		C2	
Contact heat transmission		F1	

Mechanical Performance

Method

Value

Tensile strength (warp/weft)	ISO 13934-1	878.9 N / 788.1 N (± 10%)
Tear strength (warp/weft)	ISO 13937-2	267.6 N / 252.8 N (± 10%)
Puncture resistant	EN 388:2016	41.34 N (Level-1)

Normative

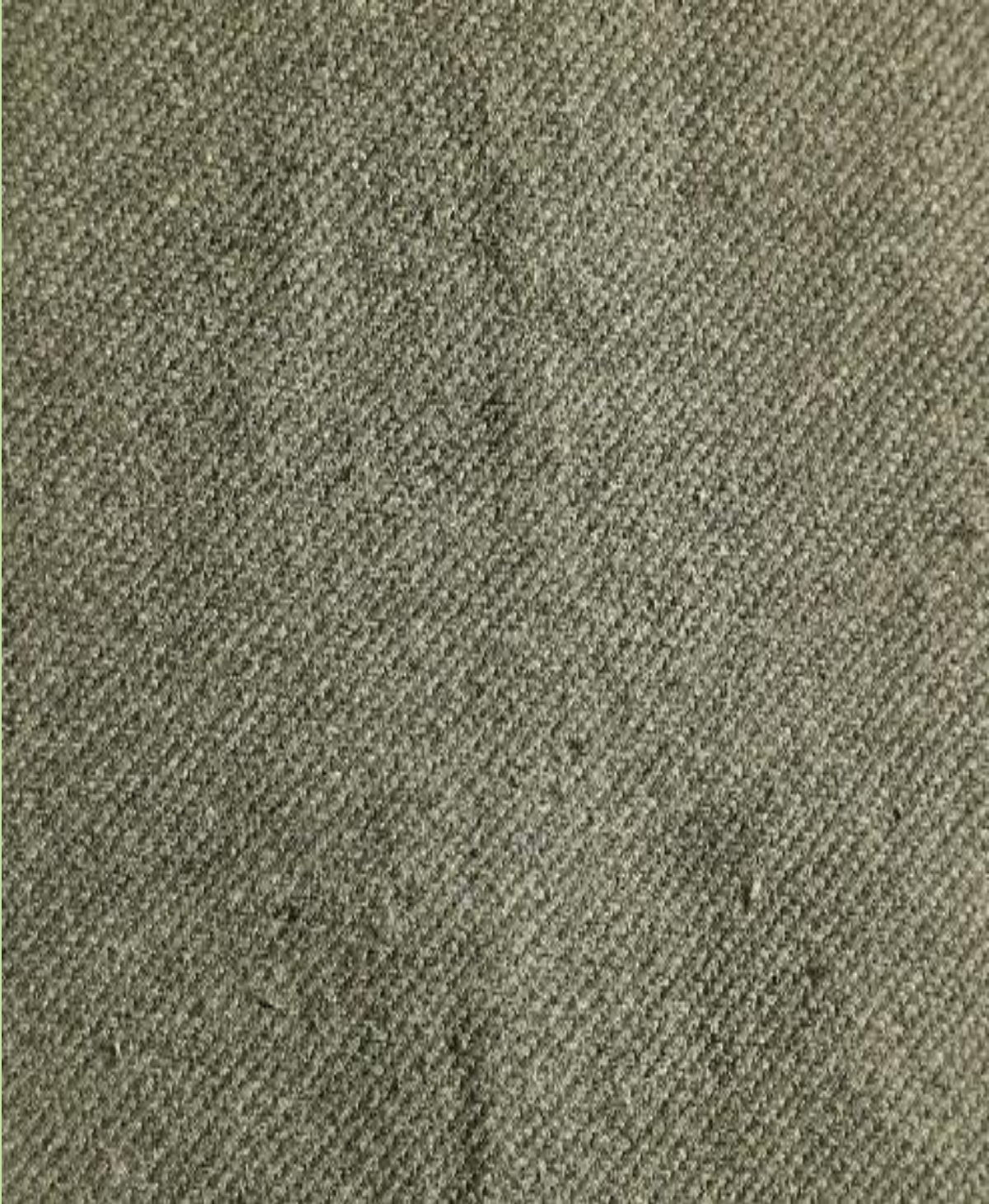
ISO 11612	Protective clothing- Clothing to protect heat and flame.
ISO 13934-1	Textiles — Tensile properties of fabrics
ISO 13937-2	Textiles — Tear properties of fabrics
EN 388:2016	Protective gloves against mechanical risks.

Application Areas

Glass industry, Steel industry, Automotive industry

* All values are approximate and subject to standard testing variability.

Ecosynx-PANy-80-489



Ecosynx-PANy-80-489

Weaving

Ref. 96-54

Description

Para Aramid/Nylon based blended fabric for thermal protection

Structural qualities

Specification

Weave

Twill

Weight (g/m²)

489 ± 5%

Width (cm)

153 (± 1%)

Protection Against Thermal Hazards

Method

Levels

Fabric sample

Limited flame spread

-

Convective heat

ISO 11612

B1

Radiant heat

C2

Contact heat transmission

F1



Mechanical Performance

Method

Value

Tensile strength (warp/weft)

ISO 13934-1

3496.3 N / 3211.4 N (± 10%)

Tear strength (warp/weft)

ISO 13937-2

218.6 N / 209.8 N (± 10%)

Puncture resistant

EN 388:2016

43.11 N (Level-1)

Normative

ISO 11612

Protective clothing- Clothing to protect heat and flame.

ISO 13934-1

Textiles — Tensile properties of fabrics

ISO 13937-2

Textiles — Tear properties of fabrics

EN 388:2016

Protective gloves against mechanical risks.

Application Areas

Glass industry, Steel industry, Automotive industry

* All values are approximate and subject to standard testing variability.

Ecosynx-Re-PA-E300-38-342



Ecosynx-Re-PA-E300-38-342

Weaving

Ref. 34-52

Description

Recycled Para Aramid/Glass fibres blended fabric for protection against thermal and mechanical hazards

Structural qualities

Specification


Weave	Twill
Weight (g/m ²)	342 ± 5%
Width (cm)	153 (± 1%)

Protection Against Thermal Hazards

Method

Levels

Fabric sample

Limited flame spread	ISO 11612	A1, A2	
Convective heat		B1	
Radiant heat		C2	
Contact heat transmission		F1	

Mechanical Performance

Method

Value

Tensile strength (warp/weft)	ISO 13934-1	1464.7 N / 1322.8 N (± 10%)
Tear strength (warp/weft)	ISO 13937-2	241.2 N / 225.4 N (± 10%)
Puncture resistant	EN 388:2016	37.4 N (Level-1)

Normative

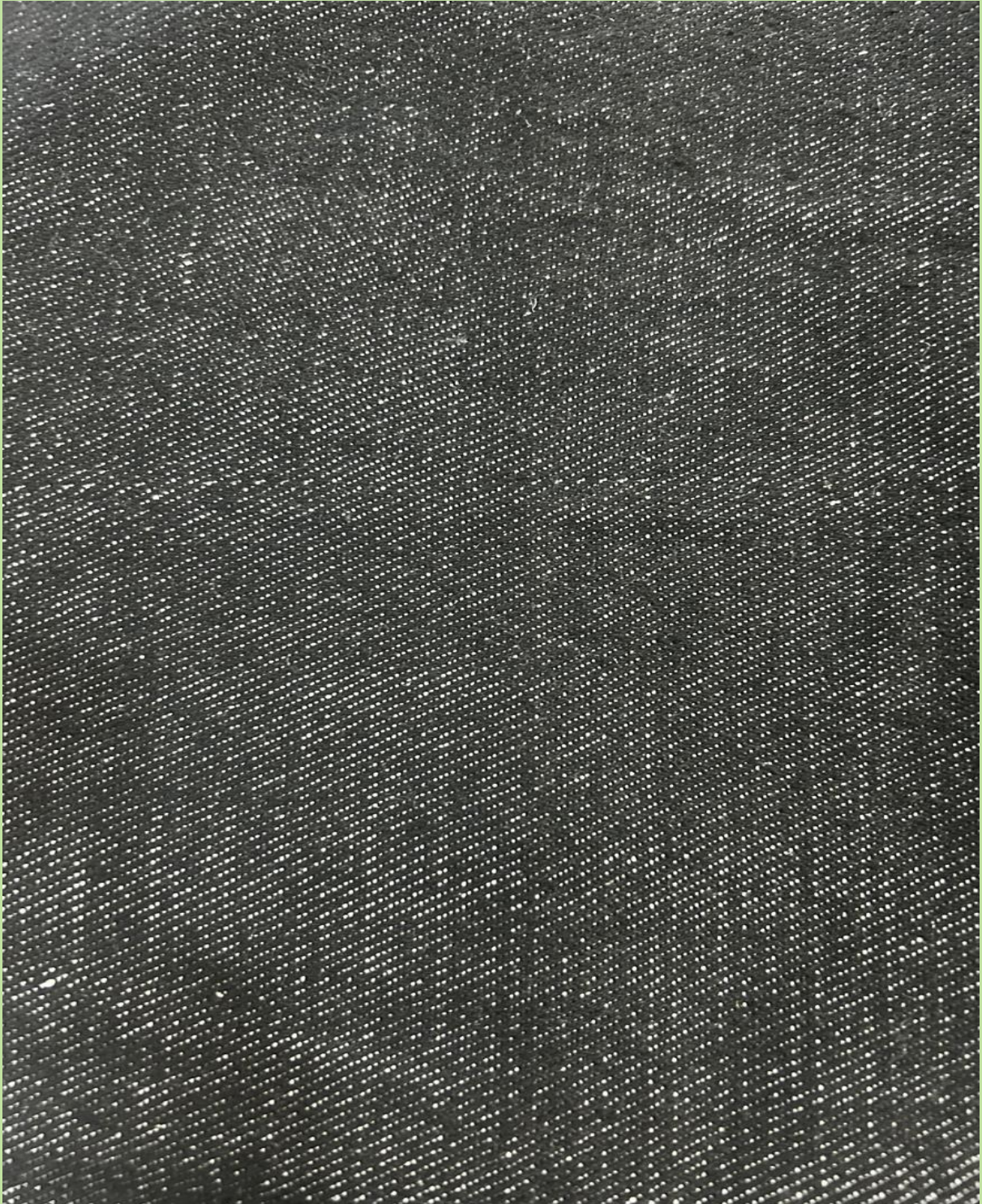
ISO 11612	Protective clothing- Clothing to protect heat and flame.
ISO 13934-1	Textiles — Tensile properties of fabrics
ISO 13937-2	Textiles — Tear properties of fabrics
EN 388:2016	Protective gloves against mechanical risks.

Application Areas

Glass industry, Steel industry, Automotive industry

* All values are approximate and subject to standard testing variability.

Ecosynx-UH/Ly-44-475



Ecosynx-UHCO-44-284

Weaving

Ref. 34-102

Description

UHMWPE/Cotton based denim for bikers' protection

Structural qualities

Specification

Weave

Twill

Weight (g/m²)

284 ± 5%

Width (cm)

153 (± 1%)

Mechanical Properties

Method

Value/Level

Cut resistant

14 N / Level-C

Tear resistant

515 N / Level-5

Puncture resistant

28.63 N / Level-2

EN
388:2016

ISO
13934-1

Tensile strength (warp/weft)

2936.1 N / 2439.6 N (± 10%)



Normative

EN 388:2016

Protective gloves against mechanical risks.

ISO 13934-1

Textiles — Tensile properties of fabrics

Application Areas

Motorcycle apparel, Skateboarding, Outdoor adventure clothing

* All values are approximate and subject to standard testing variability.

Ecosynx-UH/SS-W60-92-540



Ecosynx-UH/SS-W60-92-540

Weaving

Ref. 34-54

Description

UHMWPE/Stainless steel based blended fabric for extreme protection against mechanical hazards

Structural qualities

Specification

Weave

Twill

Weight (g/m²)

540 ± 5%

Width (cm)

153 (± 1%)

Protection Against Mechanical Hazards

Method

Value/Level

Cut resistant

36 N / Level-F

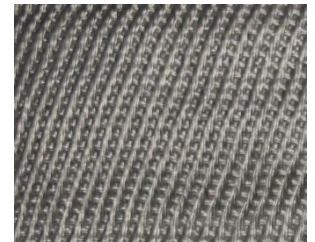
Tear resistant

EN
388:2016

269.7N / Level-5

Puncture resistant

64.5 N / Level-2



Normative

EN 388:2016

Protective gloves against mechanical risks.

Application Areas

Glass industry, Steel industry, Automotive industry

* All values are approximate and subject to standard testing variability.



ADVANCED FABRIC MANUFACTURER

Thank you

Contact us

Email
info@ecosynx.org

Official Website
www.ecosynx.org

Rahul Leekha

Phone: +91-9896039393

