Aramid2

Inherent Flame Retardant Denim and Elasthane Aramid Fabrics

- EN 11612 — Heat and Flame Protection
- EN 61482 — Electrical Arc Protection
- EN 1149-5 — Antistatic
- EN 13034 — Resistant to Liquid Chemicals
- EN 11611 — Welding Protection

1975
ARITEKS
FUNCTION FOR FLEXIBLE FABRICS

Phone: +90 212 538 05 98
Fax: +90 212 537 08 46
E-Mail: support@ariteksinfo.com
Web: www.ariteks.net

Ariteks, founded as family owned business in 1975, is the leading textile manufacturer company both in fashion and technical textiles.

By continuously developing high-end technologies it provides solutions to end users in apparel, protective workwear, functional sport, medical wear as well as technical textiles in construction and transportation industries.

As the pioneer company in special dyeing methods like indigo, vat, space-dye, coating and laminating systems, Ariteks produces highest-quality fabrics both for international and domestic markets.

Ariteks uses clean and renewable energy resources. It consumes minimum amount of water by using continuous optimised systems.

Based in 4000m² with 12 separate in house R&D laboratories, the company spends 5% of its budget for research and developing future technologies. It focuses especially on 3rd generation solar cells on flexible fabrics and biosensing textiles.

ARITEKS

FASHION

- FUNCTIONAL APPAREL TEXTILES
- JACQUARD FABRICS
- INDIGO DYED FABRICS
- SPACES DYED FABRICS
- BLENDED DYED FABRICS
- PLAIN DYED FABRICS

TECHNICAL TEXTILES

- COATED TEXTILES
- LAMINATED TEXTILES
- VAT DYED TEXTILES

ENERGY

- 3TH GENERATION SOLAR CELLS
- SOLAR WATER PURIFICATION
- NANO CHEMICALS

CONTENT

1 **Aramid D1 210 Denim** 4-5
210 gr/m², 93% m-Aramid 5% p-Aramid
2% Carbon, Denim Fabric
EN 11611 EN 11612 EN 1149-5 EN 61482 EN 13034

2 **Aramid D2 260 El** 6-7
260 gr/m², 88% m-Aramid 5% p-Aramid 2% Carbon
5% Elasthane, 3/1S Twill Fabric
EN 11612 EN 1149-5 EN 61482 EN 13034

Aramid D1 210 Denim

EN 11612 | EN 1149-5 | EN 61482 | EN 13034 | EN 11611

210 gr/m², 93% m-Aramid
5% p-Aramid 2% Carbon,
Inherent Flame Retardant,
Antistatic, Denim Fabric

CONFIDENCE IN TEXTILES
Tested for harmful substances
according to Oeko-Tex Standard 100

Sample

60

Aramid D1 210 Denim - 5807
Navy

Aramid D1 210 Denim - 5808
Grey

Description

Aramid denim fabric consisting of 210 gr/m², 93% m-Aramid, 5% p-Aramid, 2% Carbon.
Inherent flame retardant fabric for electricity distribution companies and oil and gas industry workers.
Inherent flame retardant fabric with EN ISO 11612 and EN ISO 11611 certification.
Antistatic (EN 1149-5) certified. Protection against thermal hazards of electrical arc (EN 61482-1-2).
Resistant to most industrial chemicals (EN ISO 13034).

Technical Parameters

Name	Values	Standards
Fiber	93% m-Aramid (m-AR) 5% p-Aramid (p-AR) 2% Carbon (CF)	EN ISO 2076
Yarn	Warp:30/2Ne; Weft:30/2Ne	EN ISO 2060
Weight	210 ±5 gr/m²	EN ISO 3081
Width	1600 ±20 mm	EN ISO 3932
Tensile Strength	Warp>1500N; Weft>1000N	EN ISO 13934-1
Tear Strength	Warp>70N; Weft>60N	EN ISO 13937-2
Dimensional Change	-3%<Length<+3%;-3%<Width<+3%	EN ISO 5077
Rubbing Fastness	4-5	EN ISO 105 X12
Perspiration Fastness	4-5	EN ISO 105 E04
Washing Fastness	4-5	EN ISO 105 C06
Dry Cleaning Fastness	4-5	EN ISO 105 D01
Hypochlorite Fastness	4-5	EN ISO 105 N01
Peroxide Fastness	4-5	EN ISO 105 N02
Hot Press Fastness	4-5	EN ISO 105 X11
Light Fastness	4-5	EN ISO 105 B02
Perspiration Light Fast.	4-5	EN ISO 105 B07
pH	4.0-7.5	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Electricity distribution	
Quality Management	Done	ISO 9001
Flame and Heat Protection	Yes	EN ISO 11612
Antistatic	Yes	EN ISO 1149-5
Chemical Resistant	Yes	EN ISO 13034
Arc Protection	Class 1 (4kA)	EN ISO 61482-1-2
ATPV	> 7 cal/cm²	EN ISO 61482-1-1
Welding Protection	Yes	EN ISO 11611

Aramid D2 260 El

EN 11612 EN 1149-5 EN 61482 EN 13034

260 gr/m², 88% m-Aramid
5% p-Aramid 2% Carbon
5% Elasthane, Inherent Flame
Retardant, Elasthane,
Antistatic, 3/1S Twill Fabric

CONFIDENCE IN TEXTILES
Tested for harmful substances
according to Oeko-Tex Standard 100

Sample

60

Aramid D2 260 El - 5883
Navy

The technical data on this guide is given for information and correct at the time of design. It can be changed without prior notice.

Description

Aramid elasthane twill fabric consisting of 260 gr/m², 88% m-Aramid, 5% p-Aramid, 2% Carbon, 5% Elasthane. Inherent flame retardant fabric for military application with ultra comfort and firefighters. Inherent flame retardant fabric with EN ISO 11612 certification. Antistatic (EN 1149-3). Protection against thermal hazards of electrical arc (EN 61482-1-2). Resistant to most industrial chemicals (EN ISO 13034).

Technical Parameters

Name	Values	Standards
Fiber	88% m-Aramid (m-AR) 5% p-Aramid (p-AR) 2% Carbon (CF) 5% Elasthane (El)	EN ISO 2076
Yarn	Warp:30/2Ne; Weft:30/2Ne	EN ISO 2060
Weight	260 ±5 gr/m²	EN ISO 3081
Width	1400 ±20 mm	EN ISO 3932
Tensile Strength	Warp>1500N; Weft>1000N	EN ISO 13934-1
Tear Strength	Warp>70N; Weft>60N	EN ISO 13937-2
Dimensional Change	-3%<Length<+3%;-3%<Width<+3%	EN ISO 5077
Rubbing Fastness	4-5	EN ISO 105 X12
Perspiration Fastness	4-5	EN ISO 105 E04
Washing Fastness	4-5	EN ISO 105 C06
Dry Cleaning Fastness	4-5	EN ISO 105 D01
Hypochlorite Fastness	4-5	EN ISO 105 N01
Peroxide Fastness	4-5	EN ISO 105 N02
Hot Press Fastness	4-5	EN ISO 105 X11
Light Fastness	4-5	EN ISO 105 B02
Perspiration Light Fast.	4-5	EN ISO 105 B07
pH	4.0-7.5	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Military Applications	
Quality Management	Done	ISO 9001
Flame and Heat Protection	Yes	EN ISO 11612
Antistatic	Yes	EN ISO 1149-5
Chemical Resistant	Yes	EN ISO 13034
Arc Protection	Class 1 (4kA)	EN ISO 61482-1-2
ATPV	> 12 cal/cm²	EN ISO 61482-1-1

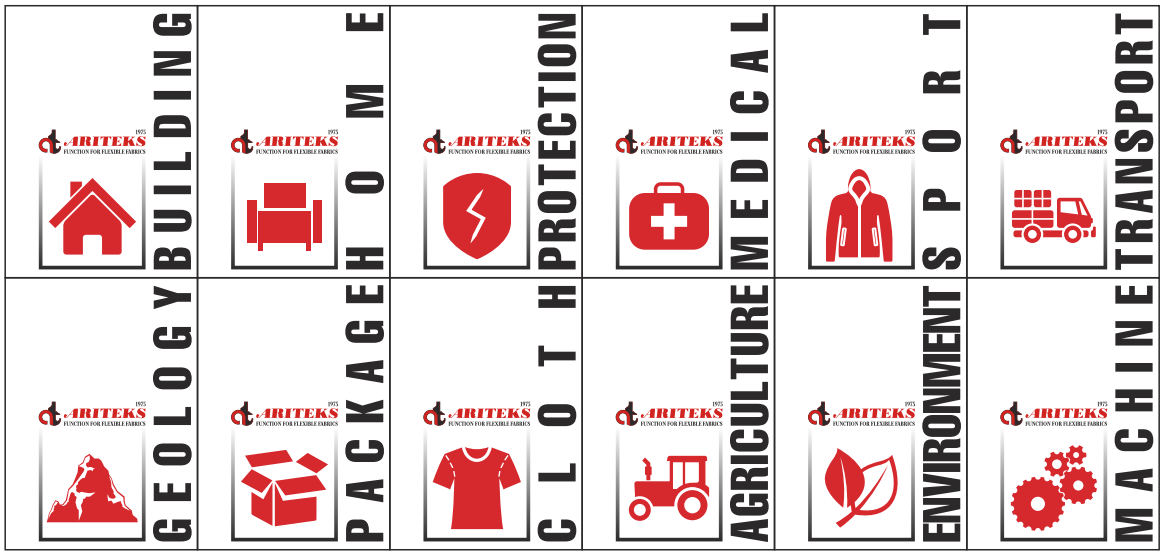
1975

ARITEKS

FUNCTION FOR FLEXIBLE FABRICS

Fashion Fabrics

Technical Fabrics



Headquarters
Hekimsuyu Cad. No:36
Kucukkoy/Gaziosmanpasa 34250 Istanbul/Turkey
Phone: +90 212 538 05 98-99
Fax: +90 212 537 08 46
E-Mail: support@ariteksinfo.com
Web: www.ariteks.net

Ariteks Fabric Factory
Address: Velimese OSB Mah.210.Sokak,
No:9/8 59930, Ergene Tekirdag/Turkey
Phone: +90 282 676 41 90
Fax: +90 282 676 46 13
E-Mail: support@ariteksinfo.com
Web: www.ariteks.net