ArAir Mesh

3D Fabrics Series

1975
ARITEKS
FUNCTION FOR FLEXIBLE FABRICS

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Ariteks, founded as a 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 14000m² 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 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 **ArAir | Mesh AA 250** 4-5
250 gr/m², 100% Polyester, Air Mesh Fabric

2 **ArAir | Mesh AA 150** 6-7
150 gr/m², 100% Polyester, Air Mesh Fabric

3 **ArAir | Mesh BB** 8-9
250 gr/m², 100% Polyester, Hard Air Mesh Fabric

4 **ArAir | Mesh Bond** 10-11
230 gr/m², 100% Polyester, Air Mesh Open Structure Fabric

250 gr/m², 100% Polyester,
Air Mesh Fabric

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

Sample

ArAir Mesh AA 250 - 4491
White

ArAir Mesh AA 250 - 4492
Grey

ArAir Mesh AA 250 - 4358
Turquoise

ArAir Mesh AA 250 - 4494
Royal

ArAir Mesh AA 250 - 4495
Dark Red

ArAir Mesh AA 250 - 4496
Purple

ArAir Mesh AA 250 - 4497
Green

ArAir Mesh AA 250 - 4498
Sax

ArAir Mesh AA 250 - 4439
Black

ArAir Mesh AA 250 - 4499
Beige

ArAir Mesh AA 250 - 4502
Orange

ArAir Mesh AA 250 - 4504
Brown

Description: 100% polyester, 250 gr/m² 3d warp knitted air mesh fabric.
ArAir Mesh AA 250 fabric due to its 3d warp knitting structure has high suspension function.
It can be used as upholstery mesh for office furniture. Suitable for sport and military shoes.
One of the usage of ArAir Mesh AA 150 is shock aboserber in medical. Ultra confortable bag fabric.

Technical Parameters

Name	Values	Standards
Fiber	100% Polyester (PES)	TS EN ISO 1833
Yarn	68 Denier	EN ISO 2060
Weight	250 ±5 gr/m²	TS EN 12127
Width	1500 ±20 mm	TS EN 1773
Thickness	3 mm	BS 2544
Bursting strength	> 2000 kPa (kN/m^2)	TS EN 13938-1
Dimensional Change	-5%<Length<+5%;-5%<Width<+5%	TS EN ISO 5077
Abrasion Resistance	@50000	TS EN 530
Rubbing Fastness	4	EN ISO 105 X12
Perspiration Fastness	4-5	EN ISO 105 E04
Washing Fastness	4-5	EN ISO 105 C01
Dry Cleaning Fastness	4-5	EN ISO 105 D01
Hypochlorite Fastness	4-5	EN ISO 105 N01
Hot Press Fastness	4-5	EN ISO 105 X11
Light Fastness	4-5	EN ISO 105 B02
pH	6.2	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Upholstery, Bag, Shoes	
Quality Management	Done	ISO 9001

150 gr/m², 100% Polyester,
Air Mesh Fabric

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

Sample

ArAir Mesh AA 150 - 4457
White

ArAir Mesh AA 150 - 4505
Grey

ArAir Mesh AA 150 - 4507
Turquoise

ArAir Mesh AA 150 - 4508
Royal

ArAir Mesh AA 150 - 4509
Dark Red

ArAir Mesh AA 150 - 4510
Purple

ArAir Mesh AA 150 - 4511
Green

ArAir Mesh AA 150 - 4512
Sax

ArAir Mesh AA 150 - 4456
Black

ArAir Mesh AA 150 - 4513
Beige

ArAir Mesh AA 150 - 4516
Orange

ArAir Mesh AA 150 - 4518
Brown

Description: 100% polyester, 150 gr/m² 3d warp knitted air mesh fabric.
ArAir Mesh AA 150 fabric due to its 3d warp knitting structure has high suspension function.
It can be used as upholstery mesh for office furniture. Suitable for sport and military shoes.
One of the usage of ArAir Mesh AA 150 is shock aboserber in medical. Ultra confortable bag fabric.

Technical Parameters

Name	Values	Standards
Fiber	100% Polyester (PES)	TS EN ISO 1833
Yarn	68 Denier	EN ISO 2060
Weight	150 ±5 gr/m²	TS EN 12127
Width	1500 ±20 mm	TS EN 1773
Thickness	3 mm	BS 2544
Bursting strength	> 2000 kPa (kN/m^2)	TS EN 13938-1
Dimensional Change	-5%<Length<+5%;-5%<Width<+5%	TS EN ISO 5077
Abrasion Resistance	@50000	TS EN 530
Rubbing Fastness	4	EN ISO 105 X12
Perspiration Fastness	4-5	EN ISO 105 E04
Washing Fastness	4-5	EN ISO 105 C01
Dry Cleaning Fastness	4-5	EN ISO 105 D01
Hypochlorite Fastness	4-5	EN ISO 105 N01
Hot Press Fastness	4-5	EN ISO 105 X11
Light Fastness	4-5	EN ISO 105 B02
pH	6.2	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Upholstery, Bag, Shoes	
Quality Management	Done	ISO 9001

250 gr/m², 100% Polyester,
Hard Air Mesh Fabric

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

Sample

ArAir Mesh BB - 4519
White

ArAir Mesh BB - 4520
Black

ArAir Mesh BB - 4521
Brown

Description

100% polyester, 250 gr/m² 3d warp knitted air mesh fabric.
ArAir Mesh BB fabric due to its 3d warp knitting structure has high suspension function. It can be used as upholstery mesh for office furniture. Bulletproof vest application is possible with ArAir Mesh BB fabric.
Suitable for sport and military shoes.
One of the usage of ArAir Mesh BB is shock aboserber in medical.
Ultra confortable bag fabric.

Technical Parameters

Name	Values	Standards
Fiber	100% Polyester (PES)	TS EN ISO 1833
Yarn	68 Denier	EN ISO 2060
Weight	250 ±5 gr/m²	TS EN 12127
Width	1500 ±20 mm	TS EN 1773
Thickness	3 mm	BS 2544
Bursting strength	> 3000 kPa (kN/m^2)	TS EN 13938-1
Dimensional Change	-5%<Length<+5%;-5%<Width<+5%	TS EN ISO 5077
Abrasion Resistance	@50000	TS EN 530
Rubbing Fastness	4	EN ISO 105 X12
Perspiration Fastness	4-5	EN ISO 105 E04
Washing Fastness	4-5	EN ISO 105 C01
Dry Cleaning Fastness	4-5	EN ISO 105 D01
Hypochlorite Fastness	4-5	EN ISO 105 N01
Hot Press Fastness	4-5	EN ISO 105 X11
Light Fastness	4-5	EN ISO 105 B02
pH	6.2	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Upholstery, Bag, Shoes	
Quality Management	Done	ISO 9001

230 gr/m², 100% Polyester,
Air Mesh Open Structure Fabric

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

Sample

ArAir Mesh Bond - 5335
White

ArAir Mesh Bond - 5336
Black

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

100% polyester, 230 gr/m² 3d warp knitted air mesh open structure fabric.
ArAir Mesh Bond fabric due to its 3d warp knitting structure has high suspension function.
It can be used as upholstery mesh for office furniture.
Suitable for sport and military shoes.
Another application is the acoustic control panels for theatre and cinema walls.

Technical Parameters

Name	Values	Standards
Fiber	100% Polyester (PES)	TS EN ISO 1833
Yarn	150 Denier	EN ISO 2060
Weight	230 ±5 gr/m²	TS EN 12127
Width	1500 ±20 mm	TS EN 1773
Thickness	2 mm	BS 2544
Bursting strength	> 2000 kPa (kN/m^2)	TS EN 13938-1
Dimensional Change	-5%<Length<+5%;-5%<Width<+5%	TS EN ISO 5077
Abrasion Resistance	@50000	TS EN 530
Rubbing Fastness	4	EN ISO 105 X12
Perspiration Fastness	4-5	EN ISO 105 E04
Washing Fastness	4-5	EN ISO 105 C01
Dry Cleaning Fastness	4-5	EN ISO 105 D01
Hypochlorite Fastness	4-5	EN ISO 105 N01
Hot Press Fastness	4-5	EN ISO 105 X11
Light Fastness	4-5	EN ISO 105 B02
pH	6.2	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Upholstery, Bag, Shoes	
Quality Management	Done	ISO 9001

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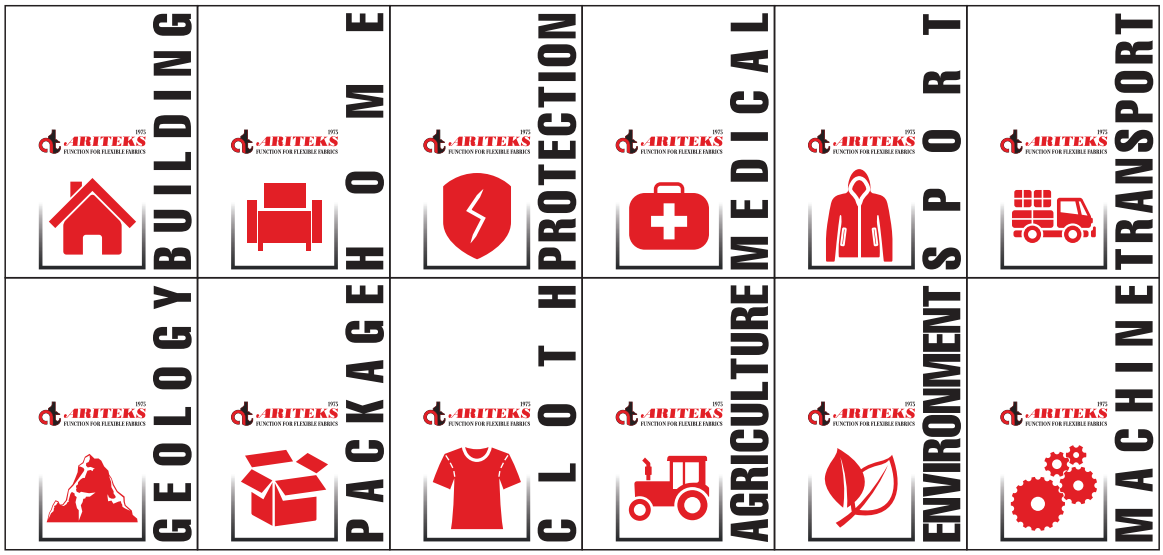
FUNCTION FOR FLEXIBLE FABRICS

Fashion Fabrics

Technical Fabrics



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