



# ArBo

**Ultra fire resistant**

**World's strongest  
Synthetic fabrics**

**from Pbo** (polyphenylene  
benzobisoxazole)



**Firefighters**



**Antistatic**

 **ARITEKS**  
FUNCTION FOR FLEXIBLE FABRICS

1975

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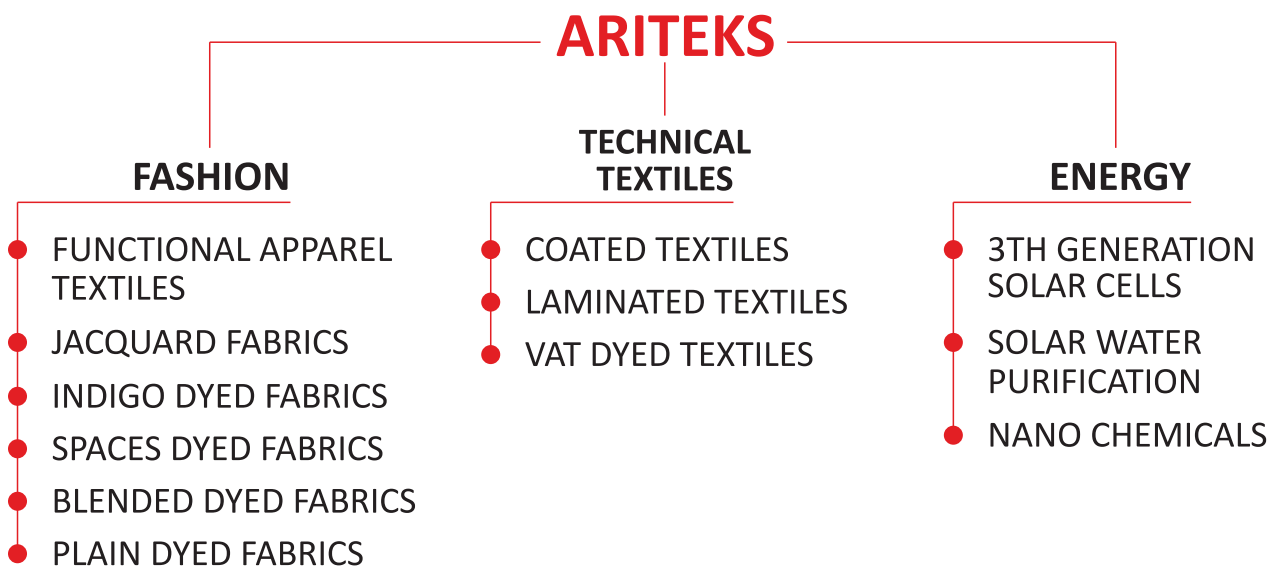
Ariteks, founded as family owned business in 1975, is the leading textile manufacturer company both in fashion and technical textiles.

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 4000m<sup>2</sup> 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.



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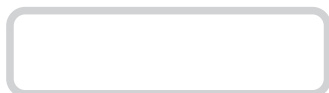
200 gr/m<sup>2</sup>, 58% p-Aramid  
40% Pbo 2% Carbon,  
Inherent Flame Retardant,  
Antistatic, Plain Fabric



Sample



**ArBo - 5295  
Natural**



## Description

World's strongest synthetic fabric which contains Pbo (poly phenylene benzobisoxazole) consisting of 220 gr/m<sup>2</sup>, 58% p-Aramid, 40% Pbo, 2% Carbon. ArBo is designed for firefighters's suit. ArBo is ultra fire resistant fabric for firefighters. Flame resistant (Flame retardant) fabric with EN 469 certification. Antistatic (EN 1149-5). ArBo is the best fabric in all categories for turnout gear.

## Technical Parameters

Name	Values	Standards
Fiber	58% p-Aramid (p-AR) 40% PBO (Pbo) 2% Carbon (CF)	EN ISO 2076
Yarn	Warp:24/2Ne; Weft:24/2Ne	EN ISO 2060
Weight	220 ±5 gr/m <sup>2</sup>	EN ISO 3081
Width	1600 ±20 mm	EN ISO 3932
Tensile Strength	Warp>5500N; Weft>5000N	EN ISO 13934-1
Tear Strength	Warp>270N; Weft>310N	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
Weathering Fastness	4-5	EN ISO 105 B04
pH	4.0-7.0	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Firefighters Suits	
Quality Management	Done	ISO 9001
Firefighters	Yes	EN ISO 469
Antistatic	Yes	EN ISO 1149-5



200 gr/m<sup>2</sup>, 58% p-Aramid  
40% Pbo 2% Carbon,  
Inherent Flame Retardant,  
Antistatic, Plain Fabric



## Sample



**ArBo Dark - 5889  
Dark**



## Description

World's strongest synthetic fabric which contains Pbo (poly phenylene benzobisoxazole) consisting of 220 gr/m<sup>2</sup>, 58% p-Aramid, 40% Pbo, 2% Carbon. ArBo Dark is designed for military application. ArBo Dark is ultra fire resistant fabric for firefighters. Flame resistant (Flame retardant) fabric with EN 469 certification. Antistatic (EN 1149-5). ArBo Dark is the best fabric in all categories for military applications.

## Technical Parameters

Name	Values	Standards
Fiber	58% p-Aramid (p-AR) 40% PBO (Pbo) 2% Carbon (CF)	EN ISO 2076
Yarn	Warp:24/2Ne; Weft:24/2Ne	EN ISO 2060
Weight	220 ±5 gr/m <sup>2</sup>	EN ISO 3081
Width	1600 ±20 mm	EN ISO 3932
Tensile Strength	Warp>5500N; Weft>5000N	EN ISO 13934-1
Tear Strength	Warp>270N; Weft>310N	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
Weathering Fastness	4-5	EN ISO 105 B04
pH	4.0-7.0	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Firefighters Suits	
Quality Management	Done	ISO 9001
Firefighters	Yes	EN ISO 469
Antistatic	Yes	EN ISO 1149-5



180 gr/m<sup>2</sup>, 46% meta Aramid  
50% para Aramid 2% Pbo  
2% Carbon , Inherent Flame  
Retardant, Antistatic,  
Ripstop-twill Fabric



## Sample





**Aramid D5 180 Rb - 5694  
Natural****Description**

Aramid fabric consisting of 46% meta Aramid 50% para Aramid 2% Pbo 2% Carbon. Inherent flame retardant ripstop-twill fabric for woodland firefighters. Aramid D5 180 Rb is designed for woodland, wild forest fire conditions with high p-aramid and pbo content. Inherent flame retardant fabric with EN ISO 11612 certification. Antistatic (EN 1149-5) certified. Resistant to most industrial chemicals (EN ISO 13034).

**Technical Parameters**

Name	Values	Standards
Fiber	46% m-Aramid (m-AR) 50% p-Aramid (p-AR) 2% PBO (Pbo) 2% Carbon (CF)	EN ISO 2076
Yarn	Warp:36/2Ne; Weft:36/2Ne	EN ISO 2060
Weight	180 ±15 gr/m <sup>2</sup>	EN ISO 3081
Width	1600 ±20 mm	EN ISO 3932
Tensile Strength	Warp>1000N; Weft>1000N	EN ISO 13934-1
Tear Strength	Warp>100N; Weft>100N	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	4.0-9.0	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Forest Firefighters's Jacket	
Quality Management	Done	ISO 9001
Forest Firefighters	Yes	EN ISO 15614
Antistatic	Yes	EN ISO 1149-5
Flame and Heat Protection	Yes	EN ISO 11612
Chemical Resistant	Yes	EN ISO 13034



250 gr/m<sup>2</sup>, 58% p-Aramid  
40% Pbo 2% Carbon,  
Inherent Flame Retardant,  
Antistatic, Pique Fabric



## Sample



**ArBo Knit - 5890  
Natural**



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

World's strongest synthetic fabric which contains Pbo (poly phenylene benzobisoxazole) consisting of 250 gr/m<sup>2</sup>, 58% p-Aramid, 40% Pbo, 2% Carbon. ArBo Knit is designed for firefighters's inner t-shirt. ArBo Knit is ultra fire resistant fabric for firefighters t-shirts. Flame resistant (Flame retardant) fabric with EN 11612 certification. Antistatic (EN 1149-5). ArBo Knit is the best fabric in all categories as t-shirt turnout gear.

























## Technical Parameters

Name	Values	Standards
Fiber	58% p-Aramid (p-AR) 40% PBO (Pbo) 2% Carbon (CF)	EN ISO 2076
Yarn	Warp:24/2Ne; Weft:24/2Ne	EN ISO 2060
Weight	250 ±10 gr/m <sup>2</sup>	EN ISO 3081
Width	1600 ±20 mm	EN ISO 3932
Bursting Strength	> 4200 kPa(kN/m <sup>2</sup> )	EN ISO 13938-1
Dimensional Change	-5%<Length<+5%;-5%<Width<+5%	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
Weathering Fastness	4-5	EN ISO 105 B04
pH	4.0-7.0	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Firefighters T-Shirt	
Quality Management	Done	ISO 9001
Flame Retardant	Yes	EN ISO 11612
Antistatic	Yes	EN ISO 1149-5

# Fashion Fabrics



# Technical Fabrics

  <b>BUILDING</b>	  <b>HOME</b>	  <b>PROTECTION</b>	  <b>MEDICAL</b>	  <b>SPORT</b>	  <b>TRANSPORT</b>
  <b>GEOLOGY</b>	  <b>PACKAGE</b>	  <b>CLOTH</b>	  <b>AGRICULTURE</b>	  <b>ENVIRONMENT</b>	  <b>MACHINE</b>

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