

# ArPower Knit

Ultra elastic medical fabrics  
for orthopedical, corset  
and face mask applications



**Antibacterial**



**Water and Oil  
Repellent**



**Bacterial  
Filtration**



1975  
**ARITEKS**  
FUNCTIONAL TECHNICAL FABRICS

Phone: +90 212 538 05 98

Fax: +90 212 537 08 46

E-Mail: [support@ariteksinfo.com](mailto:support@ariteksinfo.com)

Web: [www.ariteks.net](http://www.ariteks.net)



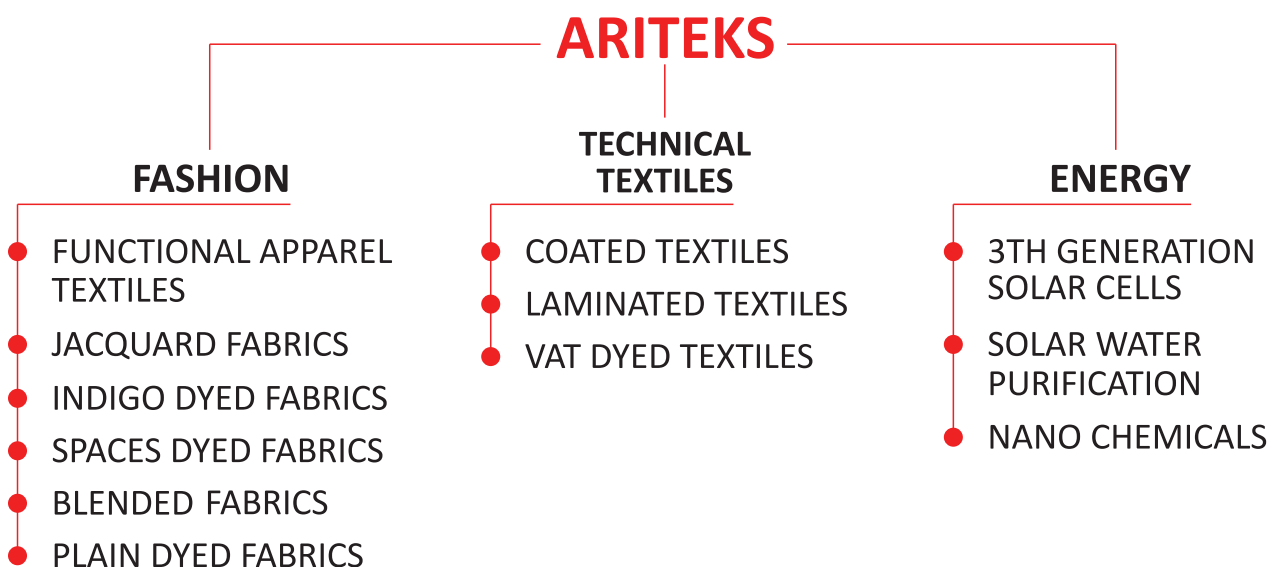
Ariteks, founded as a family owned business in 1975, is the leading textile manufacturer company both in fashion and technical textiles.

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 14000m<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.



# CONTENT

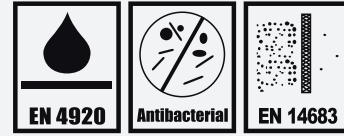
<b>1</b>	<b>ArPower Knit P</b>	 EN 4920	 Antibacterial	 EN 14683	4-5
<b>2</b>	<b>ArPower Knit</b>	 EN 4920	 Antibacterial	 EN 14683	6-7

350 gr/m<sup>2</sup>, 70% Polyester 22% Polyamide 8% Elastane, Elastic Knit Fabric

400 gr/m<sup>2</sup>, 45% Polyester 35% Viscose 22% Polyamide 8% Elastane, Elastic Knit Fabric



BREATHABLE MATERIAL



350 gr/m<sup>2</sup>, 70% Polyester  
22% Polyamide 8% Elastane,  
Water Repellent, Antibacterial,  
Elastic Knit Fabric



## Sample



**ArPower Knit P - 5936**  
**White**



**ArPower Knit P - 5937**  
**Cream**



**ArPower Knit P - 5938**  
**Black**



## Description

ArPower Knit P is 70% polyester 22% Polyamide 8% Elastane, 350 gr/m<sup>2</sup> ultra elastic knit fabric for corset applications. It is antibacterial and resistant up to 20 wash.

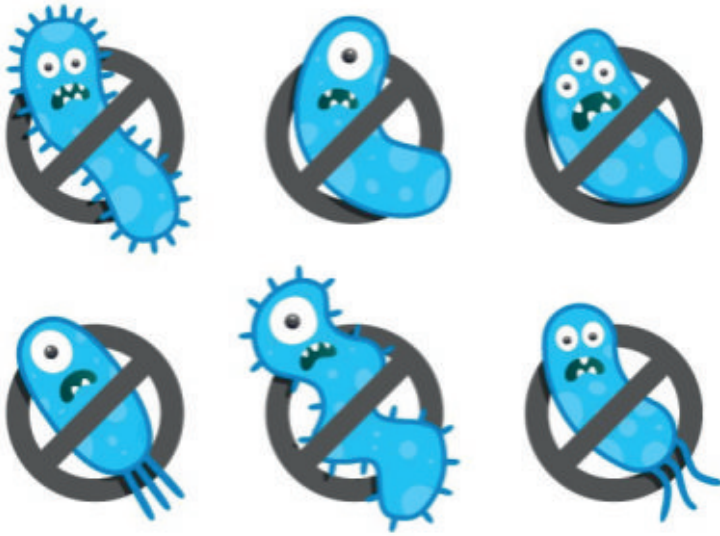
ArPower Knit P is water and oil repellent, can be used during orthopedical treatments.

2 layer of this fabric can be easily used to produce certified EN 14683 face masks.

## Technical Parameters

Name	Values	Standards
Fiber	70% Polyester (PES) 22% Polyamide (PU) 8% Elastane (EL)	EN ISO 2076
Yarn	75/72 Denier	EN ISO 2060
Weight	350 ±10 gr/m <sup>2</sup>	EN ISO 3081
Width	1600 ±20 mm	EN ISO 3932
Bursting Strength	> 1000 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
Hot Press Fastness	4-5	EN ISO 105 X11
pH	4,0 - 6.5	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Medical Corset	
Quality Management	Done	ISO 9001
Spray Test	ISO 5	EN ISO 24920
Antibacterial	99,99%	ATSM E2149
Bacterial Filtration	Type IIR	EN 14683

## ANTIBACTERIAL



400 gr/m<sup>2</sup>, 45% Polyester  
35% Viscose 22% Polyamide  
8% Elastane, Water Repellent,  
Antibacterial, Elastic Knit Fabric



Sample



**ArPower Knit - 5574**  
**Orange**



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

ArPower Knit is 40% Polyester 30% Viscose 22% Polyamide 8% Elastane, 400 gr/m<sup>2</sup> ultra elastic knit fabric for corset applications. It is antibacterial and resistant up to 20 wash.

ArPower Knit is water and oil repellent, can be used during orthopedical treatments.

2 layer of this fabric can be easily used to produce certified EN 14683 face masks.

























## Technical Parameters

Name	Values	Standards
Fiber	40% Polyester (PES) 30% Viscose (CV) 22% Polyamide (PU) 8% Elastane (EL)	EN ISO 2076
Yarn	28/1 Ne	EN ISO 2060
Weight	400 ±10 gr/m <sup>2</sup>	EN ISO 3081
Width	1600 ±20 mm	EN ISO 3932
Bursting Strength	> 1000 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
Hot Press Fastness	4-5	EN ISO 105 X11
pH	4,0 - 6.5	EN ISO 3071
Azo Test	No Azo Colorants.	EN ISO 14362-1
Application	Medical Corset	
Quality Management	Done	ISO 9001
Spray Test	ISO 5	EN ISO 24920
Antibacterial	99,99%	ATSM E2149
Bacterial Filtration	Type IIR	EN 14683

# 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>

**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@aritekinfo.com  
 Web: www.aritek.net