

# ArD3E3

**Inherent Flame Retardant fabrics  
for molten metal splash protection**



**Heat and Flame  
Protection**



**Electrical Arc  
Protection**



**Antistatic**



**Resistant to  
Liquid Chemicals**



**Welding  
Protection**



1975  
**ARITEKS**  
FUNCTION FOR FLEXIBLE FABRICS

**Phone:** +90 212 538 05 98

**Fax:** +90 212 537 08 46

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

**Web:** [www.aritek.net](http://www.aritek.net)



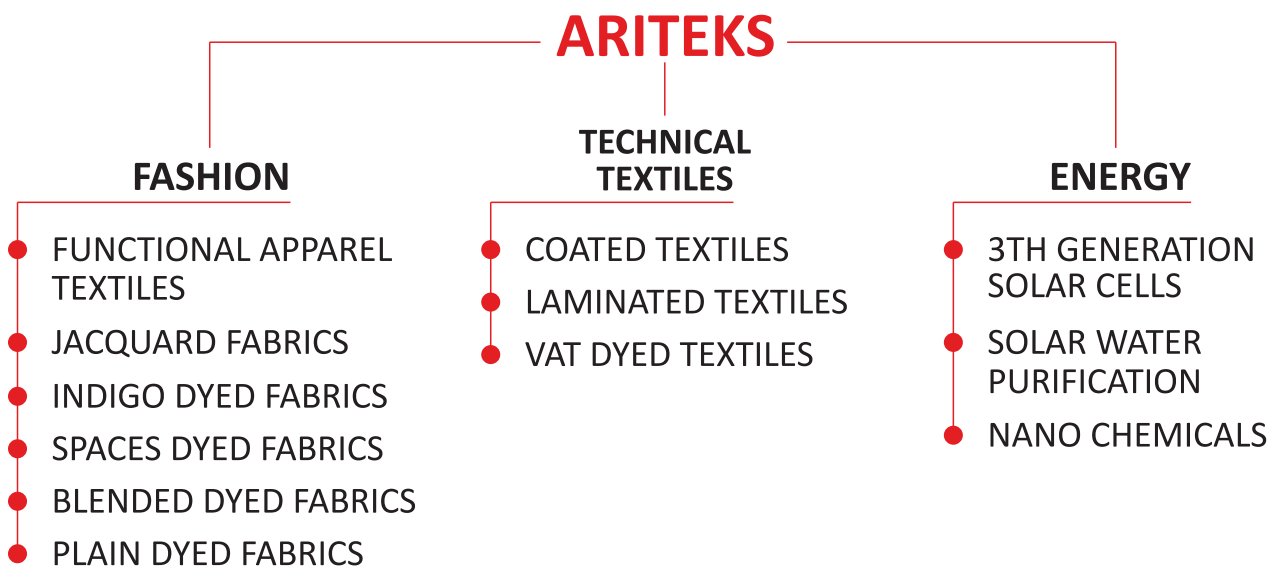
Ariteks, founded as family owned business in 1975, is the leading textile manufacturer company both in fashion and technical textiles.

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 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.

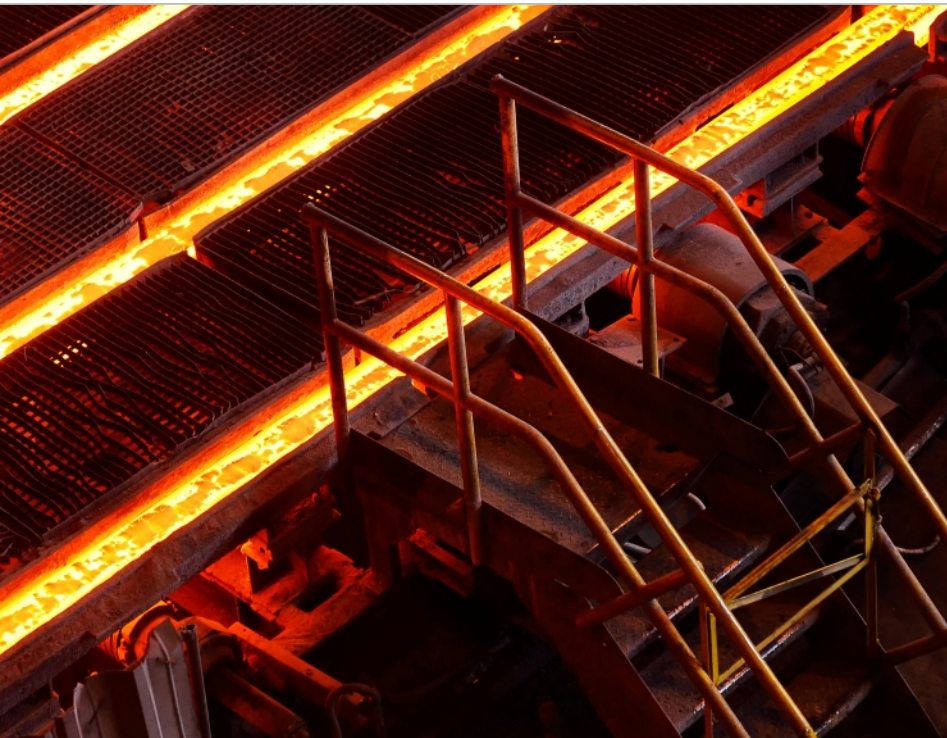


## CONTENT

**1 ArD3E3**  
350 gr/m<sup>2</sup>, 54% Viscose Fr 20% Polyamide 6.6  
20% Wool 5% p-aramid 1% Carbon, Satin Fabric



4-5



350 gr/m<sup>2</sup>, 54% Viscose Fr  
20% Polyamide 6.6 20% Wool  
5% p-aramid 1% Carbon,  
Inherent Flame Retardant,  
Antistatic Satin Fabric



## Sample



**ArD3E3 - 5746**  
**Red**



**ArD3E3 - 5745**  
**Dark Blue**



**ArD3E3 - 5744**  
**Black**



**ArD3E3 - 5743**  
**Grey**



**ArD3E3 - 5742**  
**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

54% Viscose Fr 20% Polyamide 6.6 20% Wool 5% p-aramid 1% Carbon, inherent flame retardant antistatic satin fabric for molten metal splash protection. ArD3E3 fabric is used to make jacket and trousers for hot metal, steel and aluminum industries. It is resistant to hot metal splash around 1500°C degrees. ArD3E3 are inherent flame retardant with EN 11612 D3 E3 level certification. Suitable for antistatic application, certified for EN ISO 1149-5. It provides arc flash protection with EN 61482 class 1 (4 kA) certification.

## Technical Parameters

Name	Values	Standards
Fiber	54% Viscose Fr (CV FR) 20% Polyamide 6.6 (PA6.6) 20% Wool (WO) 5% p-Aramid (p-AR) 1% Carbon (CF)	EN ISO 2076
Yarn	Warp:24/2Ne; Weft:24/2Ne	EN ISO 2060
Weight	350 ±10 gr/m <sup>2</sup>	EN ISO 3081
Width	1600 ±20 mm	EN ISO 3932
Tensile Strength	Warp>1500N; Weft>1000N	EN ISO 13934-1
Tear Strength	Warp>50N; Weft>50N	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	Hot metal protective clothing	
Quality Management	Done	ISO 9001
Flame and Heat Protection	D3 E3	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	> 10 cal/cm <sup>2</sup>	EN ISO 61482-1-1
Welding Protection	Yes	EN ISO 11611



1975

***ARITTEKS***

**FUNCTION FOR FLEXIBLE FABRICS**



























**PROTECTION**



# 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>

## Headquarters

Hekimsuyu Cad. No:36  
 Kucukkoy/Gaziosmanpasa 34250 Istanbul/Turkey  
 Phone: +90 212 538 05 98-99  
 E-Mail: support@aritekinfo.com  
 Web: www.aritek.net

## Factory

Velimese OSB Mah. 210. Sokak No:9/8  
 Ergene 59930 Tekirdag / Turkey  
 Phone: +90 282 676 41 90  
 E-Mail: support@aritekinfo.com  
 Web: www.aritek.net