



ENGINEERED NON-WOVENS
FOR PROTECTIVE CLOTHING

THERMAL BARRIER



HIGHER THERMAL
PROTECTION



USP

- High Thermal Protective Performance to Weight Ratio
- Excellent Wear Comfort with Durability
- Does Not Melt & Drip
- 3D Structure for Better Insulation

DESCRIPTION

- 3 D Embossed non-woven fabric provides better insulation and thermal resistance
- Excellent wash fastness and durable nature of non-woven fabric gives an alternate option to commodity FR woven fabric

APPLICATION

- Firefighting suits, Arc Flash Suits, Fire Blankets

ARC FLASH BARRIER



UNIQUE
3-D EMBOSSED
STRUCTURE



USP

- Higher Arc Thermal Protective Value To Weight Ratio
- Excellent Wear Comfort
- Excellent Wash Fastness & Durability
- 3D Structure for Better Insulation

DESCRIPTION

- Specifically designed for electrical workers from arc and flash fire hazards
- 3 D Embossed non-woven fabric which provides better insulation
- Inherent FR material delivers superior arc protection
- Compliant to EN469 and NFPA 70-E standard delivering 40, 70 and 100 Cal rating

APPLICATION

- Electricians working in and around electrical panels

MOISTURE BARRIER



SUPERIOR
PROTECTION
AGAINST LIQUID



USP

- E-PTFE Bi-Component Based Lamination
- Excellent Thermal Performance
- Excellent Moisture Management
- Superior Protection Against Water, Blood & chemicals

DESCRIPTION

- First-class thermal moisture barrier with outstanding comfort and excellent performance
- 3 D Embossed non-woven fabric is a thermal barrier with a FR PTFE membrane which provides better insulation and moisture management
- The ePTFE/PU bi-component laminate provides superior breathability and is high-temperature resistant and durable due to PU-layer

APPLICATION

- Firefighting suits, firefighters turnout gear, protective apparel-insulation layers

FIRE & WELDING BLANKET



NO TOXIC
GASES & SMOKE



USP

- Low Thermal Conductivity
- No Toxic Gases & does not Smoke
- Inherent FR Material – No Melting & Dripping
- Customized Sizes Available

DESCRIPTION

- Can be used as fire extinguishing blanket as well as protection curtain for industrial work or environments, which generate lots of heat
- Fabric with permanent fire resistance properties: Non-melting, non-dripping, very low smoke volume, and excellent Thermal Protective Performance (TPP) rating.
- Soft enough for human contact and tough enough to withstand welding temperatures
- Can endure direct flame spray - no dripping, no fire spread, no melting or curving, no burn through, and excellent heat insulation properties

APPLICATION

- Welding Application, Extinguish fire, Isolate fire, Block metal splash

FIRE BLOCKER



UNIQUE
LIGHT WEIGHT
FIBER



USP

- No Smoke Toxicity & Opacity
- Light Weight with Superior Fire Resistant
- Compliant To FAR, NFPA & EN Standards
- Value Added Coating – Antistatic, Water Repellent & Others

DESCRIPTION

- GSM Range from 50 GSM (1.5 oz/sq. yd.) to 1000 GSM (30 oz/sq. yd.)
- Thickness Range from 0.019" (0.5 mm) to 0.15" (4 mm)
- Construction possibilities:
 - Possibility of usage of all the inherent FR fiber
 - Options to use Needle Punch and Spunlace as well Hybrid Technology
 - Facility to bind scrim component on one side for better abrasion resistance
 - Possibility of Specific Finishes like Anti-Static, Oil and Water Repellant, Abrasion resistance
- Possibility of providing certificates as per EN 45545-2, UIC 564-2, NFPA 130, FAR/JAR 25-853(a) or 16 CFR part 1633 and others as per customer requirements

APPLICATION

- Aircrafts
- Public Transportation systems like Trains & Buses
- Public buildings like auditoriums, stadiums, cinema

FIRE FIGHTER PROTECTIVE APPAREL STRUCTURE

WOVEN FABRIC

NON-WOVEN
LINER FABRIC

MOISTURE
BARRIER

WOVEN FABRIC



HOME TEXTILES



INFRASTRUCTURE



LINE PIPES



ADVANCED TEXTILES

When the facts speak...

#1

LARGEST
HOME TEXTILE
SUPPLIERS TO
USA

#2

LARGEST
LARGE DIAMETER
PIPES PRODUCER
IN WORLD

2.7

BILLION USD
GROUP SALES
WITH 21% CAGR
(1995 - 2019)

3

GLOBAL PLANT
LOCATIONS:
INDIA, SAUDI,
USA

25

THOUSAND
WORKFORCE
ACROSS GLOBAL
LOCATIONS

PRESENCE IN
MORE THAN

50

COUNTRIES

ADVANCED TEXTILES

Advanced. Innovative. Customer Centric.

Welspun's Advanced Textiles business offers innovation focused futuristic nonwovens manufacturing with a long term strategic perspective for customers. Our 4 European nonwoven technologies (Spunlace, Needle Punch, Thermal Bond and Composites) and an entire range of nonwoven finishing technologies are available under a single roof, and is fully equipped to develop and offer innovative nonwovens. Each of the technologies is tailor-made with the help of qualified and proven R&D inputs to ensure unique and diversified range of nonwovens.

Welspun is equipped to offer spunlace as low as 20 GSM, capable to offer cross-lapped spunlace - equally efficient to handle natural and man-made fibers in 100% including any blends. The ultra-modern needle punch technology can also offer nonwovens starting with 60 GSM, giving us a lead globally. Welspun has also commissioned European made nonwoven finishing technologies like dyeing, printing, coating and lamination for technical applications like automotive, protective, filtration, wipes, coating substrates etc.