

# WORK SAFE

# PROTECTION

TDI TEXTILE WORKWEAR SERIES



2022

# Product Category Guideline

**01**

## Multi-Safety

-Flame Retardant

**02**

## Multi-Function

-Waterproof & Breathable  
-Gament Recycling Yarn  
-Recycle Solution Dye

**03**

## Only One Layer

-Uniform

**04**

## Durability

-Kevlar  
-Dyneema



**Multi-Safety**



# Aramid

- Can be **blended different fiber**, such as nylon, cotton to be stronger and comfort, and anti-static to be multi-safety.
- Can be comply with NFPA 70E, NFPA 2112, EN 11611, EN 11612, EN 61482
- Can be withstand **industrial wash**, comply with AATCC96, ISO15797





## Multi-Safety Modacrylic



- Can be **blended** different fiber, such as nylon, cotton to be stronger and comfort, and anti-static to be multi-safety.
- Can be comply with EN 11611, EN 11612, EN 61482-1/2, NFPA 70E, EN 20471
- Can be **dyed** in high-viz Yellow color, comply with ANSI 107, EN 20471
- Can be withstand **industrial wash**, comply with AATCC96, ISO15797



# Multi-Function Proshell series

## 2 Layer

Type: 2 Way Stretch/ 4 Way Stretch/ Non-Stretch

Finish:

DWR Fabric + Full/ Dot PU Hydropilic Lamination (Clear/ Milky)  
Full/ Dot TPU Lamination ( Clear/ Milky)  
Microporous Lamination (Milky)  
Low Swelling Lamination

Function: 10k/10k, 15k/15k/, 20k/20k, 30k/30k  
Waterproof, Pass Rain Test



## 3 Layer

Type: 2 way Stretch/ 4 way Stretch/ non-Stretch

Finish:

15D/ 20D/30D Jersey  
2 Layer+ 7D/10D/ 20D Tricot/ Tricot Brush  
T/CD Jersey, T/W Jersey, Mesh, Interlock

Function: 10k/10k, 15k/15k/, 20k/20k, 30k/30k  
Downproof, Air Permeability, Windproof,  
Pass rain Test



# Multi-Function Rainwear Collection

KEEP DRY



## Colored PU Membrane

Design your own color into membrane, and to be your style and trend.

Water proof can be reached  
EN 343 4/1.



## Fabric

Not matter woven or knitted,  
just depends on what your  
choice and requirement.



## Rain Wear

Wear it, and keep your body dry  
and comfort.



# Multi-Function Reflective Printing

## Traditional Method

### Virgin chip + Color masterbatch

It can reduce the usage of water, power and chemicals. The most important is to reduce CO2 emission.

## TDI Technology

### Sustainability upgrade

TDI use recycled chip to replace virgin chip to produce recycled solution dye yarn.

## Future

### More options

TDI is planning to use Roica Spandex yarn for the stretch version.



# Only One Layer Uniform



## Cooling

Unique technology enhance the moisture content of the Nylon fabric to keep people cool and comfortable in all condition.



## Stretch Eco+

2 way mechanical stretch selection provide affordable sustainable fabric.



## Chemical Resistance

- Acid / alkaline resistance
- Comply with EN 13034



## Woven Fleece

- Woven fabric + Fleece
- Woven fabric + brush (instead of fleece)

\*High abrasion resistance (ISO 12947-2)

\*Wind proof (ASTM D737)

\*High-visible (EN 20471, ANSI 107)





# Only One Layer Triple H

## High Abrasion

Comply with ISO 12947-2

## High Tensile

Comply with ISO 13934-1

## High Tear

Comply with ISO 13937-3

## Good Snagging

Comply with JIS L1058 D2

## Eco- friendly

Made in recycled yarn  
with CO DWR

## Best choice for Uniform





# Durability

## 01 Kevlar

- High strength to weight ratio
- Low strength to break
- Good heat & flame resistance
- Good chemical resistance
- High cut resistance
- Excellent ballistic properties

## 02 Dyneema

- Strong cut resistance
- High strength, up to 15x stronger than steel
- Light weight, so light it floats on
- More durable, resistant to moisture, UV, chemicals

\*Can be added anti-bacterial comply with AATCC 100, JIS L1902, ISO 13629, ISO 20645



# CONTACT

Do you have any questions?

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