

# Cool Touch Cleanroom Underwear Fabric



New

Interlock pattern  
Circular knit fabric !

MDF-330

## DESCRIPTIONS

- Interlock pattern Circular knit fabric with Askin Polyester yarn and Kanebo Belltron® B31 conductive yarn
- Composition: Polyester 91%, Spandex 8% & Carbon yarn 1%
- Conductive yarn interval: 13mm stripe
- Thickness: 0.33~0.35mm
- Width: 60"
- Weight: 205g /yd

## FEATURE

- Lint-free
- Static dissipative ( S/R: 10e8 ohm )
- UV Protection
- Superior Sweat-absorbing property / fast drying function
- Smart Cool / Odor Removing
- Opacity
- Long lasting Freshness

## APPLICATION

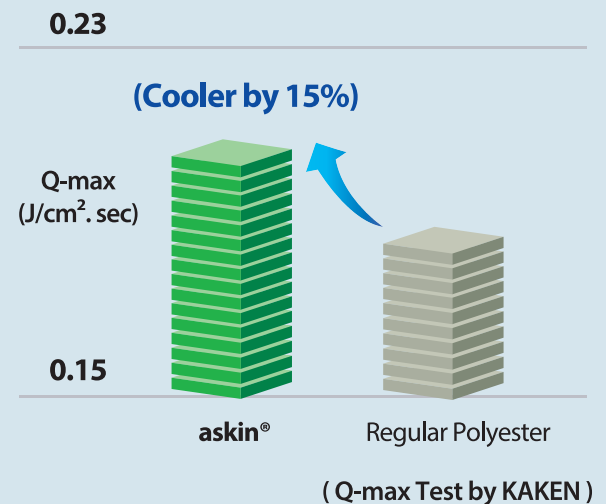
- Fabric for cleanroom underwear

## What is ASKIN?

The **ASKIN** is the brand name of functional cool touch yarn developed by Hyosung TNC, which is one of the leading textile companies specialized in developing various synthetic fiber in Korea. It is specially-engineered polyester fiber to improve cooling compared to natural fiber.



## [ Cooling effect ]



# Typical type of woven cleanroom underwear fabrics

## FEATURE

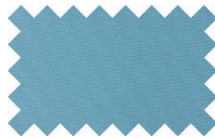
- Static dissipative (MDF-199UT, MDF-304) & Non-ESD(MDF-199Micro) Cleanroom Fabrics
- High absorbency ratio of sweat
- soft handle and light weight
- Comfortable feeling
- Free from particle generation
- Pre-filtration of skin flag generated from human body
- Gamma compatible and autoclavable
- Substitutable natural fiber inner-wear



MDF-304(3-8)



MDF-199UT(3-20)



MDF-199Micro(5-4)













M12-F-000

## Why cleanroom underwear needs in the Cleanroom industry?

According to EU GMP Annex 1: Manufacturer of Sterile Products / Section 7: Personnel 7.15, outdoor clothing (other than personal underwear) should not be brought into changing rooms leading directly to Grade B and C cleanrooms. Facility suits, covering the full length of the arms and the legs, and socks covering the feet, should be worn before entry to change rooms for Grade B and C. Facility suits and socks should not present a risk of contamination to the gowning area or processes.

## Guidance for the selection of appropriate garments and accessories in cleanrooms and controlled environments ;

	ISO 4 Class 10	ISO 5 Class 100 Class A,B	ISO 6 Class 1,000	ISO 7 Class 10,000 Class C	ISO 8 Class 100,000 Class D
Headgear 	○	○	△	△	△
Coverall 	○	○	○	△	△
Overboots 	○	○	○	△	△
Overshoes 	×	×	△	○	△
Undergarments 	○	○	△	△	△
Coats 	×	×	△	○	○
Face mask 	○	○	△	△	△
Goggles 	○	○	△	△	△
Gloves 	○	○	△	△	△
Bouffant cap Bread cover 	○	○	○	○	○

- \* The EU GMP standard (class A to D)
- \* The ISO 14644-1 standard (ISO 1 to 9)
- \* The US Federal standard 209E (class 1 to 100,000)

Mark: ○ Recommended    △ Application Specific    × Not recommended