TRANSFORMING TECHNOLOGIES
OUTSTANDING ALTERNATIVES IN STATIC CONTROL

Apparel

Rev: 2020-05-21

FM03 Series
Cleanroom Safe Anti-Static Facemasks

The FM03 is a reusable **Cleanroom Safe, Anti-Static** face mask. The mask works like a natural shield against airborne contaminates. The mask is made with a ESD safe Class 100 Cleanroom fabric with a conductive grid that reduces static generation. This face mask can be machine washed.

Transforming Technologies ESD Cleanroom Fabric is engineered to meet up to a Class 100 clean room demands for industries such as microelectronics, semi-conductors, disk drives, lasers, and other like industries.

Available in sizes:
- FM03-L - Large
- FM03-S - Small

Cleanroom Class 100

Specifications:

Meets:	Fabric Meets ANSI/ESDS20.20
Compatible:	Class 100 Cleanroom
Material:	98% Polyester, 2% Carbon Filament Yarn
Weave:	2/Twill, 5mm Grid
Weight:	170g/y (122 g/m^2) +2%
Width:	60 inch (152cm) +2%
Density:	Warp: 188 ends/inch (74 ends/cm) +5%
Weft:	94 ends/inch (37 ends/cm) +5%
Yarn Type:	Warp: Polyester 100D/36F; Weft: Polyester 100D/36F;
Surface Resistance:	<10^7Ω
Friction Charges:	Warp: 39V
Weft:	27V
Decay Time:	+0.01 (42% RH, 21C)sec
Tear Strength	
Warp:	2.5 kg Weft: 1.9kg
Tensile Strength:	Warp: 63 kg Weft: 70.6kg
Color Retention:	4-5 grade
Filtration	0.3µm (52%)
Efficiency	0.5µm (57%)
	1.0µm (75%)
	5.0µm (78%)

Part Numbers:

FM03-L	Cleanroom Safe Anti-Static Face Mask, Navy
FM03-S	Cleanroom Safe Anti-Static Face Mask, Navy

Features

- **Face Shield: Works like a natural shield against airborne contaminates**
- **Reusable: Machine washable**
- **Controlled Environments: Made with Class 100 Cleanroom fabric**
- **ESD safe: Made with conductive nylon fibers woven throughout the material**
- **Resistance: <10^7Ω**

Applications:

Masks work like a active natural shield against airborne contaminates. ESD Cleanroom Fabric is engineered to meet up to a Class 100 clean room demands for industries such as microelectronics, semi-conductors, disk drives, lasers, and other like industries.

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