

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 contaminants. 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 Small and Large

- A) Mask Height Front: 4-1/2" Small, 5-1/2" Large
- B) 1/2 Mask Length Top: 4" Small, 4-1/4" Large
- C) 1/2 Mask Length Bottom: 3-3/4" Small, 4" Large
- D) Mask Height Back: 2-1/8" Small, 2-1/4" Large
- E) Earloop: Small 5-1/2", 6" Large

Specifications:

Meets:	Fabric Meets ANSI/ESDS20.20
Compatible:	Class 100 Cleanroom
Material:	98% Polyester, 2% Carbon Filament Yarn
Weave:	2/Twill, 5mm Grid
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:	$10^7\Omega$
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	0.3 μ m (52%)
Efficiency	0.5 μ m (57%) 1.0 μ m (75%) 5.0 μ m (78%)

Part Numbers:

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



Cleanroom Class 100

Features

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

Applications:

Masks work like a natural shield against airborne contaminants. 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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