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:** <10^7Ω
- **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%)
  0.5μm (57%)
  1.0μm (75%)
  5.0μm (78%)

**Applications:**

- 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

**Part Numbers:**

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

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.