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ESD NYLON CLOTH

TECHNICAL DATA SHEET & LAUNDRY INSTRUCTIONS

Fabric weight: 5 oz per square yard
Color selection: Royal Blue or White
Fabric content: 80% polyester, 19% cotton and 1% modified nylon in a Woven grid pattern.

Surface Resistivity – Electrical resistivity influences the accumulation of electrostatic charge on a fabric. Specimens conditioned at 50% relative humidity and 70°F are tested for resistance to passage of electrical current. The surface resistivity should be less than 10^{11} ohms.

Voltage Decay Test – Using a standard test procedure to apply both positive and negative 5000 volt charges to fabric samples, the time required for a specimen to drop to 10% of charge potential and for complete dissipation of the charge are measured. The shorter the time to zero voltage the better a material's ability to dissipate a charge induced on the surface is when grounded.

Test Results:

Description Surface Voltage Decay Resistivity Time (sec. ohms/unit sq.) to <10% orig.
Unlaundered: $2.6 \times 10^6 < 0.01$ seconds
25 launderings: $4.7 \times 10^8 < 0.01$ seconds
50 launderings: $4.8 \times 10^9 < 0.01$ seconds

Laundry Instructions:

Wash in cool or cold water, hand dry or dry at 120°F or less. Do not bleach. The carbon-suffused monofilament nylon is sensitive to heat and should not be exposed to laundering heat in excess of 120°F. Wash at 90°F (Maximum) and tumble dry at low heat or hand dry.