

Fabric weight: 5 oz per square yard.
Color selection: NASA Blue, Royal Blue, Black or White
Fabric content: 65% polyester, 34% cotton and 1% carbon modified nylon in a woven grid pattern.

Nylostat is a heavier, softer, more natural feeling fabric intended for non-critical ESD applications, where basic static shielding is desired. It is not suitable for grounding via cuffs or Key Option, nor is it guaranteed. Nylostat has a precured soil-release resin finish to offer easy care characteristics to garments. Such properties as wrinkle resistance in use and no iron properties when washed and tumble dried minimize the maintenance effort for the wearer.

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 1011 ohms.

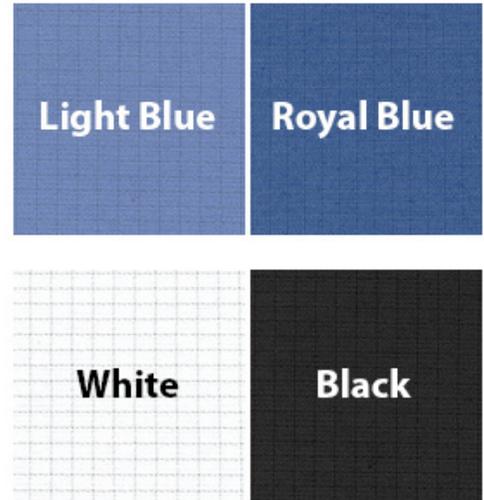
Voltage Decay Test – Using a standard test procedure to apply both positive and negative 5000 volt charges to fabric samples, the time required for a specimen to drop to 10% of charge potential and for complete dissipation of the charge are measured. The shorter the time to zero voltage the better a 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

ESD Smock Laundering Guidelines:

Wash in cool or cold water with any commercially available liquid detergent. Do not use bleach or fabric softener. Laundering heat should not exceed 120°F. Hang dry or tumble dry on low heat. Lightweight fabrics will dry quickly. Do not tumble dry longer than necessary.



Fabric	Carbon	Polyester	Cotton	Fabric Weight	Groundable	ESDA STM 2.1 Guarenteed	Application
Nylostat	1%	65%	34%	5.0oz/yd ²	No	Category 1	For use in heavy soil & solder. Electrical Field suppression properties

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PAC West
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