



Associates, Inc.

Consulting Testing Training

3551 Moore-Duncan Highway, Moore, SC 29369 Tel (864) 574-6415 Facsimile (864) 576-4992

E-mail: sfowler@sfowler.com Web Site: <http://www.sfowler.com>

**Paul Butler
Desco Industries
Rochester Facility
73 Allen Street
Rochester, NH 03867**

January 5, 2005

Dear Paul:

The following are the results of our resistance tests on the Statshield ESD garment after 100 washes.

Please let us know if we may offer any further information. Thank you for allowing us to be your electrical lab.

Sincerely,

Stephen L. Fowler
President



Fowler

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Resistance Tests

Per ESD Association's STM 2.1 – 1997

On

Statshield ESD Garment

Performed for

Desco Industries, Inc.

January 3, 2005

by

Fowler Associates, Inc.

Resistance Between Various Points
Blue Statshield ESD Garment
(91% Polyester, 9% Carbon)
 For
Desco Industries, Inc.

The following tests were performed in general agreement with the ESD Association's Test
 Method STM2.1-1997 @10 volts

Tests @ 12% RH, 72°F

	Metal Clips	5 lb. Probes					
Wash Cycles	Sleeve – Sleeve (Cuff to Cuff)	Grnd. Pt. – Panel	Cuff – Cuff	Lft. Frnt. Panel– Back Panel	Rt. Frnt. Panel– Back Panel	Lft. Frnt. Panel– Rt Frnt. Panel	Back Panel
75 Washes	4.15 X 10 ⁵	7.30 X 10 ⁵	1.86 X 10 ⁶	1.82 X 10 ⁶	1.94 X 10 ⁶	1.57 X 10 ⁶	1.53 X 10 ⁶

Tests @ 50% RH, 72°F

	Metal Clips	5 lb. Probes					
Wash Cycles	Sleeve – Sleeve (Cuff to Cuff)	Grnd. Pt. – Panel	Cuff – Cuff	Lft. Frnt. Panel– Back Panel	Rt. Frnt. Panel– Back Panel	Lft. Frnt. Panel– Rt Frnt. Panel	Back Panel
75 Washes	3.93 X 10 ⁵	9.60 X 10 ⁵	1.33 X 10 ⁶	1.73 X 10 ⁶	1.90 X 10 ⁶	1.49 X 10 ⁶	1.78 X 10 ⁶

**ESD-STM2.1-1997

Section 7. Recommended Electrical Resistance Range

The recommended electrical resistance range is 1 X 10⁵ ohms to 1 X 10¹¹ ohms. Values less than 1 X 10⁵ ohms may constitute an electrical hazard.

Stephen S. Fowler



Fowler Associates, Inc. December 29, 2004

The data and conclusions of this report are based upon the information and samples supplied to Fowler Associates for the tests described herein. Product users should make his or her own tests to determine the suitability of the information and conclusions herein stated or implied for their intended use, and shall assume all risk and liability in connection therein.

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Method STM2.1-1997 @10 volts

Tests @ 12% RH, 72°F

	Metal Clips	5 lb. Probes					
Wash Cycles	Sleeve – Sleeve (Cuff to Cuff)	Grnd. Pt. – Panel	Cuff – Cuff	Lft. Frnt. Panel– Back Panel	Rt. Frnt. Panel– Back Panel	Lft. Frnt. Panel– Rt Frnt. Panel	Back Panel
100 Washes	4.20 X 10⁵	7.80 X 10⁵	1.33 X 10⁶	1.40 X 10⁶	1.54 X 10⁶	1.31 X 10⁶	1.65 X 10⁶

Tests @ 50% RH, 72°F

	Metal Clips	5 lb. Probes					
Wash Cycles	Sleeve – Sleeve (Cuff to Cuff)	Grnd. Pt. – Panel	Cuff – Cuff	Lft. Frnt. Panel– Back Panel	Rt. Frnt. Panel– Back Panel	Lft. Frnt. Panel– Rt Frnt. Panel	Back Panel
100 Washes	5.70 X 10⁵	1.54 X 10⁶	1.64 X 10⁶	1.96 X 10⁶	2.36 X 10⁶	2.21 X 10⁶	2.49 X 10⁶

**ESD-STM2.1-1997

Section 7. Recommended Electrical Resistance Range

The recommended electrical resistance range is 1 X 10⁵ ohms to 1 X 10¹¹ ohms. Values less than 1 X 10⁵ ohms may constitute an electrical hazard.

Stephen S. Fowler



Fowler Associates, Inc. January 3, 2005

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