

DESCO INDUSTRIES INCORPORATED

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QUALIFICATION REPORT – ANSI/ESD S20.20

DESCO STATSHIELD® SMOCKS WITH CONVERTIBLE SLEEVES

ANSI/ESD S20.20	DESCO Test Results	Test Methods
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Rpp (Resistance Point-to-Point) (ohms), 48-72 hours, 10V/100V, N=3 specimens

@ 12%RH, 23°C	< 1.0 x 10 ⁹	See Table 1	ANSI/ESD STM2.1
@ 50%RH, 23°C	< 1.0 x 10 ⁹	See Table 1	ANSI/ESD STM2.1

Rppg (Resistance Point-to-Groundable-Point) (ohms), 48-72 hours, 10V/100V, N=3 specimens

@ 12%RH, 23°C	< 1.0 x 10 ⁹	See Table 1	ANSI/ESD STM2.1
@ 50%RH, 23°C	< 1.0 x 10 ⁹	See Table 1	ANSI/ESD STM2.1

Test Equipment (Calibration records and test results are located at our corporate lab (Sanford, NC)):

For Test Method ANSI/ESD STM2.1:

- ETS Controlled Environment Chamber (Model 5532)
- SCS Surface Resistance Meter (Model 770761)
- DESCO Electrode, 5 lbs. (Model 50784)

Test Conditions:

Environment	Moderate	Low
Humidity	50%RH	12%RH
Temperature	23°C	23°C

Test Data:

Table 1 – Resistance results at Moderate and Low test conditions, 48 – 72 pre-conditioning hours

Test Type	Test Location	Sample#1		Sample#2		Sample#3	
		Moderate	Low	Moderate	Low	Moderate	Low
Rpp	LS to LFP	6.19 x 10 ⁵	2.05 x 10 ⁵	5.74 x 10 ⁵	4.52 x 10 ⁵	5.94 x 10 ⁵	4.55 x 10 ⁵
	LS to RFP	4.30 x 10 ⁵	2.24 x 10 ⁵	7.81 x 10 ⁵	8.48 x 10 ⁵	9.80 x 10 ⁵	5.90 x 10 ⁵
	LS to LBP	4.10 x 10 ⁵	1.68 x 10 ⁵	6.67 x 10 ⁵	6.86 x 10 ⁵	8.66 x 10 ⁵	5.55 x 10 ⁵
	LS to RBP	4.02 x 10 ⁵	2.61 x 10 ⁵	9.73 x 10 ⁵	9.02 x 10 ⁵	9.02 x 10 ⁵	5.25 x 10 ⁵
	LS to RS	1.56 x 10 ⁵	4.22 x 10 ⁵	9.93 x 10 ⁵	7.50 x 10 ⁵	9.60 x 10 ⁵	7.30 x 10 ⁵
	BCP to BCP						
Rppg	LS to Gp	1.34 x 10 ⁶	1.12 x 10 ⁶	1.23 x 10 ⁶	1.28 x 10 ⁶	1.97 x 10 ⁶	1.12 x 10 ⁶
	LFP to Gp	1.36 x 10 ⁶	9.66 x 10 ⁵	1.22 x 10 ⁶	1.20 x 10 ⁶	1.79 x 10 ⁶	1.15 x 10 ⁶
	RFP to Gp	1.27 x 10 ⁶	9.47 x 10 ⁵	8.48 x 10 ⁵	1.03 x 10 ⁶	1.58 x 10 ⁶	9.27 x 10 ⁵
	LBP to Gp	1.34 x 10 ⁶	9.53 x 10 ⁵	1.18 x 10 ⁶	1.25 x 10 ⁶	1.73 x 10 ⁶	1.19 x 10 ⁶
	RBP to Gp	1.34 x 10 ⁶	9.73 x 10 ⁵	7.98 x 10 ⁵	1.05 x 10 ⁶	1.56 x 10 ⁶	9.60 x 10 ⁵
	RS to Gp	1.39 x 10 ⁶	1.16 x 10 ⁵	9.40 x 10 ⁵	1.25 x 10 ⁶	1.83 x 10 ⁶	1.12 x 10 ⁶
	BCP to Gp						

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Reference:

Test Location:

LS	Left Sleeve
RS	Right Sleeve
LFP	Left Front Panel
RFP	Right Front Panel
LBP	Left Back Panel
RBP	Right Back Panel
BCP	Body Contact Point
Gp	Garment Groundable Point