

PROTEKTIVE PAK

DESCO INDUSTRIES INC

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QUALIFICATION REPORT – ANSI/ESD S20.20

REEL/DIP TUBE BIN BOXES

ANSI/ESD S20.20	PROTEKTIVE PAK Test Results	Test Methods
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Surface Resistance (ohms), 48-72 hours conditioning, N=6 specimens, 100V

@ 12% RH, 23°C	$\geq 1.0 \times 10^4$ to $< 1.0 \times 10^{11}$	See Table 1	ANSI/ESD STM11.11
@ 50% RH, 23°C	$\geq 1.0 \times 10^4$ to $< 1.0 \times 10^{11}$	See Table 1	ANSI/ESD STM11.11

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

For Test Method ANSI/ESD STM11.11:

- ETS Controlled Environment Chamber (Model 5532)
- SCS Surface Resistance Meter (Model 770761)
- SCS Concentric Ring Probe (Model 770007)

Table 1: Test Results:

Test Date: 2024-04-09

Surface Resistance (ohms), 48-72 hours of conditioning

Specimen	Testing at 12% RH, 23°C	Testing at 50% RH, 23°C
1	8.60×10^5	6.36×10^5
2	8.48×10^5	1.30×10^6
3	4.55×10^5	1.70×10^6
4	1.00×10^6	1.55×10^6
5	7.55×10^5	1.25×10^6
6	8.72×10^5	2.01×10^6
Min Ind=	4.55×10^5	6.36×10^5
Max Ind=	1.00×10^6	2.01×10^6
Mean of Ind=	7.98×10^5	1.41×10^6
Std Dev Ind =	1.86×10^5	4.69×10^5

The qualification report is applicable to below Reel/Dip Tube Bin Boxes Sizes:

Item	Size O.D. - L x W x D (IN)
37130	Open: 18 x 2 x 9
37132	Open: 18 x 4 x 9
37134	Open: 18 x 6 x 9
37131	Open: 24 x 2 x 9
37133	Open: 24 x 4 x 9
37135	Open: 24 x 6 x 9
37611	Closed: 24-3/8 x 4-11/16 x 15-1/4

Unless otherwise noted, tolerance is $\pm 10\%$