

## QUALIFICATION REPORT – ANSI/ESD S20.20

### OPEN 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	≥ 1.0 x 10 <sup>4</sup> to < 1.0 x 10 <sup>11</sup>	See Table 1	ANSI/ESD STM11.11
@ 50% RH, 23°C	≥ 1.0 x 10 <sup>4</sup> to < 1.0 x 10 <sup>11</sup>	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 x 10 <sup>5</sup>	6.36 x 10 <sup>5</sup>
2	8.48 x 10 <sup>5</sup>	1.30 x 10 <sup>6</sup>
3	4.55 x 10 <sup>5</sup>	1.70 x 10 <sup>6</sup>
4	1.00 x 10 <sup>6</sup>	1.55 x 10 <sup>6</sup>
5	7.55 x 10 <sup>5</sup>	1.25 x 10 <sup>6</sup>
6	8.72 x 10 <sup>5</sup>	2.01 x 10 <sup>6</sup>
<b>Min Ind=</b>	4.55 x 10 <sup>5</sup>	6.36 x 10 <sup>5</sup>
<b>Max Ind=</b>	1.00 x 10 <sup>6</sup>	2.01 x 10 <sup>6</sup>
<b>Mean of Ind=</b>	7.98 x 10 <sup>5</sup>	1.41 x 10 <sup>6</sup>
<b>Std Dev Ind =</b>	1.86 x 10 <sup>5</sup>	4.69 x 10 <sup>5</sup>

The qualification report is applicable to below Open Bin Boxes Sizes:

Item	Size O.D. - L x W x D (IN)	Item	Size O.D. - L x W x D (IN)
37100	5-3/4 x 3-3/4 x 2-11/16	37108	18 x 6 x 4-1/2
37101	9 x 4 x 4-1/2	37109	18 x 8 x 4-1/2
37102	12 x 2 x 4-1/2	37110	18 x 12 x 4-1/2
37103	12 x 4 x 4-1/2	37117	24 x 12 x 6-3/8
37104	12 x 6 x 4-1/2	37116	24-3/4 x 2-1/4 x 4-1/2
37105	12 x 8 x 4-1/2	37111	24-3/4 x 4-1/4 x 4-1/2
37106	12 x 12 x 4-1/2	37112	24-3/4 x 6-1/4 x 4-1/2
37115	18 x 2 x 4-1/2	37113	24-3/4 x 8-1/4 x 4-1/2
37107	18 x 4 x 4-1/2	37114	24-3/4 x 12 x 4-1/2