

QUALIFICATION REPORT – ANSI/ESD S20.20

REEL STORAGE CONTAINERS

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

The qualification report is applicable to below Reel Storage Containers Sizes:

Item	Outside Dimensions (L x W x D)	Inside Dimensions (L x W x D)
37561	12-7/8" x 8-3/8" x 7-1/2"	10" x 7-1/4" x 7"
37560	14-1/8" x 12-1/2" x 13-1/2"	13" x 9-7/8" x 13"
37562	22-7/8" x 8-3/8" x 7-3/8"	9-7/8" x 7-1/4" x 7" **

** 2 cells inside. Each cell has a dimension of 9-7/8" x 7-1/4" x 7"