

PROTEKTIVE PAK

DESCO INDUSTRIES INC

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QUALIFICATION REPORT – ANSI/ESD S20.20

ENDURA-TEK™ STORAGE CONTAINERS

ANSI/ESD S20.20	PROTEKTIVE PAK Test Results	Test Methods
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Surface Resistance (ohms), @ 12%RH, 23°C, 48-72 hours conditioning, N=6 specimens, 100V

Container	< 1.0 x 10 ⁶	See Table 1	ANSI/ESD STM11.11
Static Dissipative Black Foam	> 1.0 x 10 ⁴ to < 1.0 x 10 ¹¹	See Table 1	ANSI/ESD STM11.11

Surface Resistance (ohms), @ 50%RH, 23°C, 48-72 hours conditioning, N=6 specimens, 100V

Container	< 1.0 x 10 ⁶	See Table 1	ANSI/ESD STM11.11
Static Dissipative Black Foam	> 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:

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

Specimen	Testing at 12% RH, 23°C		Testing at 50% RH, 23°C	
	Container	Foam	Container	Foam
1	2.86 x 10 ³	2.91 x 10 ⁵	3.88 x 10 ³	1.94 x 10 ⁵
2	4.54 x 10 ³	2.45 x 10 ⁵	3.31 x 10 ³	2.87 x 10 ⁵
3	4.31 x 10 ³	3.86 x 10 ⁵	3.66 x 10 ³	1.92 x 10 ⁵
4	4.26 x 10 ³	1.87 x 10 ⁵	4.07 x 10 ³	3.39 x 10 ⁵
5	4.04 x 10 ³	2.22 x 10 ⁵	3.70 x 10 ³	9.21 x 10 ⁵
6	4.34 x 10 ³	3.91 x 10 ⁵	4.02 x 10 ³	1.97 x 10 ⁵
Min Ind=	2.86 x 10 ³	1.87 x 10 ⁵	3.31 x 10 ³	1.92 x 10 ⁵
Max Ind=	4.54 x 10 ³	3.91 x 10 ⁵	4.07 x 10 ³	9.21 x 10 ⁵
Mean of Ind=	4.06 x 10 ³	2.87 x 10 ⁵	3.77 x 10 ³	3.55 x 10 ⁵
Std Dev Ind =	6.09 x 10 ²	8.56 x 10 ⁴	2.80 x 10 ²	2.84 x 10 ⁵

The qualification report is applicable to below Endura-Tek™ Storage Containers Sizes:

Item	L x W x D (IN)	Lid**	Foam**
39440	17 x 13 x 6-3/4	39470	37452
39441	17 x 13 x 8-3/4	39470	37452
39442	17 x 13 x 10-3/4	39470	37452
39443	18-3/8 x 12-3/8 x 12-3/4	39471	37454
39444	18-5/8 x 15 x 5-7/8	39472	37455
39445	18-5/8 x 15 x 8	39472	37455
39446	22-7/8 x 12-7/8 x 8	39473	37453
39447	22-7/8 x 12-7/8 x 18-1/4	39473	37453

** Lid and foam pad are sold separately