

QUALIFICATION REPORT – ANSI/ESD S20.20

ENDURA-TEK™ TEK TRAYS

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

Tek Tray	$< 1.0 \times 10^6$	See Table 1	ANSI/ESD STM11.11
Static Dissipative Black Foam	$> 1.0 \times 10^4$ to $< 1.0 \times 10^{11}$	See Table 1	ANSI/ESD STM11.11

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

Tek Tray	$< 1.0 \times 10^6$	See Table 1	ANSI/ESD STM11.11
Static Dissipative Black Foam	$> 1.0 \times 10^4$ 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:

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

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

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

Item No.	Size (in.)
39410	18 x 11-3/8 x 1-3/4
39411	22-3/4 x 17-1/2 x 2-1/2