



DESCO INDUSTRIES INC

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QUALIFICATION REPORT – ANSI/ESD S20.20

PLASTEK™ 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	8.30×10^3	2.91×10^5	6.42×10^3	1.94×10^5
2	1.05×10^4	2.45×10^5	9.11×10^3	2.87×10^5
3	9.94×10^3	3.86×10^5	8.49×10^3	1.92×10^5
4	1.39×10^4	1.87×10^5	7.87×10^3	3.39×10^5
5	7.21×10^3	2.22×10^5	6.45×10^3	9.21×10^5
6	9.11×10^3	3.91×10^5	7.25×10^3	1.97×10^5
Min Ind=	7.21×10^3	1.87×10^5	6.42×10^3	1.92×10^5
Max Ind=	1.39×10^4	3.91×10^5	9.11×10^3	9.21×10^5
Mean of Ind=	9.83×10^3	2.87×10^5	7.60×10^3	3.55×10^5
Std Dev Ind =	2.31×10^3	8.56×10^4	1.09×10^3	2.84×10^5

The qualification report is applicable to below Plastek™ Tek Trays Sizes:

Item No.	Tray Size - L x W x D (IN)
39160	18 x 11-3/8 x 1-3/4
39161	22-3/4 x 17 x 2-1/2