

# PROTEKTIVE PAK

DESCO INDUSTRIES INC

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## QUALIFICATION REPORT – ANSI/ESD S20.20

### CORRUGATED TOOL CARRIER

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	$\geq 1.0 \times 10^4$ to $< 1.0 \times 10^{11}$	See Table 1	ANSI/ESD STM11.11
@ 50% RH, 23°C	$\geq 1.0 \times 10^4$ 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:

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	$8.60 \times 10^5$	$6.36 \times 10^5$
2	$8.48 \times 10^5$	$1.30 \times 10^6$
3	$4.55 \times 10^5$	$1.70 \times 10^6$
4	$1.00 \times 10^6$	$1.55 \times 10^6$
5	$7.55 \times 10^5$	$1.25 \times 10^6$
6	$8.72 \times 10^5$	$2.01 \times 10^6$
Min Ind=	$4.55 \times 10^5$	$6.36 \times 10^5$
Max Ind=	$1.00 \times 10^6$	$2.01 \times 10^6$
Mean of Ind=	$7.98 \times 10^5$	$1.41 \times 10^6$
Std Dev Ind =	$1.86 \times 10^5$	$4.69 \times 10^5$

The qualification report is applicable to below Corrugated Tool Carrier Sizes:

Item	Description
47557	Tool Carrier, Corrugated
47558*	Tool Carrier Lid

\*Lid is available separately