

# ACCUSPEC

## PACKAGING CORP.

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607-292-3010

PRODUCT INFORMATION BULLETIN  
QPL MIL-PRF-81705E - CADPAK ESD

Barrier Material: Watervaporproof, Electrostatic Protective' Electrostatic and Electromagnetic  
Shielding, Flexible, Heat-Sealable Type 1, Class 1  
Structure description: Met-PET/PE/Foil/ESD-Sealant

### PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUES		UNITS	TEST METHOD
Caliper	4.5		mil	ASTM D2103
Yield	5,680		in <sup>2</sup> /lb	Calculated
Puncture Resistance	19		lbs	Mil-Std-3010
Tensile Strength	4,100 MD 4,300 TD		psi	ASTM D882
OTR	0.0005		cc/100 in <sup>2</sup> /day @0% RH, 23°C	ASTM D3985
WVTR	0.0005		g/100in <sup>2</sup> /day @ 90% RH 40°C	ASTM F1249
Electrostatic Shielding	0.45		volts	EIA-541 Appendix
EMI Attenuation	>35 (before flexing) 30 (after flexing)		db	MIL-PRF 81705E
Static Decay	Inner <1.0	Outer <0.02	sec	MIL-PRF 81705E
Surface Resistivity	Inner 7.0 x 10 <sup>10</sup>	Outer Undetectable	ohms	MIL-PRF 81705E
Seal Strength	19		lbs/in	ASTM F88
Suggested Sealing Conditions	375°F, 40psi, 1.0sec			Range: 325°F - 425°F

*Disclaimer:* The data presented refers to typical values only and should serve only as a guide and does not encompass normal variability, or constitute any warranty. We urge purchasers to conduct tests for suitability in their specific end use.

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