



Cadillac Products Packaging Company

PRODUCT INFORMATION BULLETIN

CADPAK ESD

QPL MIL-PRF-81705E

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 ² /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 ² /day @0% RH, 23°C	ASTM D3985	
WVTR	0.0005	g/100in ² /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 ¹⁰	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	

2/03/11:9992-ESD

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