



**AUSTRALIAN  
INHIBITOR**  
PROTECTION. PREVENTION. PRESERVATION. PROVEN.

## CADPAK ESD ANTISTATIC



### APPLICATION

MIL PRF 81705E Specification establishes the requirements for heat-sealable, electrostatic protective flexible barrier packaging used by the military for packaging micro circuits, semi conductors and resistors. Type I material provides WVTR and the attenuation of electromagnetic radiation.

- Watervaporproof
- Electrostatic protective
- Electrostatic and Electromagnetic Shielding
- Flexible
- Heat sealable
- Class 1, Type 1

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	

