

MIL-PRF-81705 Type I Class I – Roll Stock MIL-DTL-117 Type I Class F Style I – Pouch/Bag

Application:

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:

PROPERTIES	TEST METHOD	UNIT OF MEASURE	VALUE
Caliper	ASTM D2103	mils	4.5
Yield	Calculated	sq. in/lb	5,680
Puncture Resistance	FED STD 101	lbs	19
Tensile Strength	ASTM D882	psi	4,100 MD 4,300 TD
WVTR	ASTM F1249	g/100 sq. in./24 hrs @ 90% RH 40° C	0.0005
OTR	ASTM D3985	cc/100 sq. in./24 hrs @0% RH 23° C	0.0005
Electrostatic Shielding	EIA-541 Appendix	volts	0.45
EMI Attenuation	MIL-PRF 81705D	db	>35 (before flexing) 30 (after flexing)
Static Decay	MIL-PRF 81705D	sec	Inner: <1.0 Outer:<0.02
Surface Resistivity	MIL-PRF 81075D	ohms	Inner 7x10 ¹⁰ Outer Undetectable
Seal Strength	ASTM F88	lbs/in	19
Suggested Sealing Conditions	Range: 325°F – 425° F	375° F, 40psi, 1.0 sec	



Part No.

Description

MSP1103	50" x 100 yds
MSP1103-36	36" x 100 yds
CP11M-0406	4" x 6"
CP11M-0610	6" x 10"
CP11M-0812	8" x 12"
CP11M-1012	10" x 12"
CP11M-1017	10" x 17"
CP11M-1620	16" x 20"
CP11M-1826	18" x 26"
* Custom sizes available upon request	

Related Products:

Desiccant, Humidity Indicator Cards,
Vacuum Sealers, Caution labels

