



[www.protectivepackaging.net](http://www.protectivepackaging.net)

Certified: ISO 9001: 2008

# PROTECT 2194

## MIL-PRF-81705D, Type I, Class I

### Data Sheet

#### Structure: Metallized PET/PE/Foil/Blended PE

Meets all of the requirements of **MIL-PRF-81705D, Type1, Class 1**. FR-2194 is intended for applications requiring a flexible, heat-sealable barrier material with low MVTR. It can be used for the protection of extremely critical or sensitive devices susceptible to damage by ESD, EMI moisture, and corrosion. QPL Listed.

#### PHYSICAL PROPERTIES

Property	Typical Value	Unit of Measure	Test Method
Caliper	3.25	mils	
Tear (MD)	70	grams	ASTM-689
Tear (XMD)	70	grams	ASTM-689
Puncture	19	lbs	FED TM 2065
MVTR	0.0006	g/100sq in/24hrs	Mocon
O2TR	0.0006	cc/100 sq in/24hrs	Mocon
Seal Strength	11	lb/in	375 °F: 26 psi: 0.75 sec
Surface Resistivity	$10^3/10^7$	ohms/sq	ASTM D25
Charge Dissipation	0.01 to 0.02	seconds	FED TM 4046
EMI Attenuation	38.8	dB	MIL-B-81705
Static Sheilding	-2V +3V	volts	EIA-541
Yield	7200	sq in/lb	

**Standard Sizes**    **36"x1000ly**  
                              **48"x1000ly**

*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.*