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Certified: ISO 9001: 2008

PROTECT 2194

MIL-PRF-81705 Type I Class 1

Data Sheet

Structure: Metallized PET/PE/Foil/Blended PE

Meets all of the requirements of **MIL-PRF-81705 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	

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.