

# MILITARY SPEC

# FILM DATA SHEET

FR 2194

Exterior  
92ga Metallized PET  
10# PE  
.000285 Foil  
18# SD-Nucrel

Interior



**Shannon**  
PACKAGING

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## MIL SPECIFICATION

Film: MIL PRF 81705 T1

Pouch: MIL DTL 117 T1 CF S1

## Antistatic Metallized PET / Foil / A.S. Black PE blend

### Application:

This moisture barrier film meets the MIL PRF81705 Type 1 specifications as it appears on the Navy Qualified Products List (QPL) for low MVTR and maximum physical strength. It provides full protection from ESD, static fields and tribo charging. The film is strong and light weight and is suitable for vacuum packaging with nitrogen flushing.

### Converting:

It is usually converted into sheeting, tubing, and 2-seal pouches with Faraday Cage.

### Physical Properties:

PROPERTIES	TEST METHOD	UNIT OF MEASURE	TYPICAL VALUE
Caliper		mils	3.25
Yield		sq.In/Lb	7200
MVTR	Mocon	gms/100 <sup>2</sup> in./24 hrs	.0006
OTR	Mocon	CC/100 <sup>2</sup> in./24 hrs	.0006
Puncture	Fed TM 2065	lbs.	19
Surface resistivity	ASTM-257	Ohms/Sq. Outer	10 <sup>3</sup>
Surface resistivity	ASTM-257	Ohms/Sq. Inner	10 <sup>7</sup>
Charge Dissipation	Fed TM 4046	Seconds	.01-.02
Tensile MD	ASTM D882	Lbs. at break	34
EMI Attenuation	MIL B-81705	dB	38.8
Static Shielding	ELA-541	Volts	-2 +3V
Tear MD	ASTM 689	Grams	70
Tear XMD	ASTM 689	Grams	70

The values indicated in this document are the results of tests made in compliance with the normal standards. They are given as an indication and should be considered as average values and given without any obligation on our part. This data was provided directly to Shannon from our film supplier.