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FR 5500

MILITARY SPEC

Film Data Sheet

Exterior

48 ga PET

Interior

2.5 mil LLDPE

Physical Description:
 Laminated PET/LLDPE

MIL Specification:

Film MIL PRF 22191 T2

Pouch: MIL DTL 117 T2 CC S2

Application:

This clear mil film has moderate oxygen and moderate moisture vapor transition rates. The polyester layer makes this film non-extensible while the Poly layer enables it to be heat-sealable. The film does not stretch and tears nicely at the tear notch. The film has blue lettering on it denoting the manufacturer and military specification. The film is also available without the mil specification (clear – no lettering) for non-military applications.

Converting:

It is usually converted sheeting, tubing, and 2-seal pouches and 3-seal pouches.

Physical Properties:

PROPERTIES	TEST METHOD	UNIT OF MEASURE	TYPICAL VALUE
Caliper		mils	3.0
Yield		sq.in/Lb	9113
MVTR	Mocon	gms/100 ² in./24 hrs	0.03
OTR	ASTM-11434-66	CC/100 ² in./24 hrs	9.0
Burst	Mullen	psi	50
Tensile MD	ASTM D-882	lbs. at break	18
Tensile XMD	ASTM D-882	lbs. at break	17
Tear MD	ASTM-689	lbs. at break	50
Tear XD	ASTM-689	lbs. at break	50