

## Military Specification Packaging Film (MLT1, 2)



MLT1 and MLT2 are waterproof and greaseproof bagging materials that conform to MIL-DTL-117H as Type II, Class C, Styles 1 or 2 and MIL-PRF-121G Type 1 specifications. These 9-layer coextruded films have excellent barrier properties, are extremely strong, and have a sealant layer that facilitates high quality seals on Autobag<sup>®</sup> packaging machinery.

Genuine Autobag MLT1 and MLT2 bags-on-a-roll are a cost effective alternative to kraft paper bags. MLT bags are system-matched and guaranteed to run on Autobag baggers and integrated systems.

MIL **MLT1**  
**MLT2**

### User Benefits

- Mil Spec Compliance
- Excellent Barrier Properties
- Superior Strength with High Integrity Side Seals

### Typical Applications

- Government/Military Packaging
- Waterproof or Greaseproof Packaging
- O-rings, Seals and Other Packings
- Food Packaging
- Any application requiring low MVTR and OTR

### Technical Specifications

**Compliances MLT1:** MIL-DTL-117H Type 2, Class C, Style 1 (opaque)  
MIL-PRF-121G, Type 1

**Compliances MLT2:** MIL-DTL-117H Type 2, Class C, Style 2 (clear)  
MIL-PRF-121G, Type 1

**Press Printing:** Yes

**Imprinting:** Yes

**Trim Seal:** No

**Mil Thickness:** 2.0

**Configuration:** Autobag; with restrictions

Please note: Requires high integrity side seals (HIS) and no holes in the bag for mil spec compliance.

Performance Data:	U/M	2.0/SD	ASTM
Haze	– %	MLT=OpaqueM LT2=20	D1003
Puncture Resistance (Dart)	Ft-Lbs/in <sup>3</sup>	60	D-1709
Tensile Strength MD	psi	5250	D-882A
Tensile Strength TD	psi	5000	D-882A
Elongation MD	%	420	D-882A
Elongation TD	%	450	D-882A
Elmendorf Tear MD	grams	450	D-1922
Elmendorf Tear TD	grams	620	D-1922
OTR	cc/100in <sup>2</sup> /day	<0.05	D-3985/Mocon
MVTR	g/100in <sup>2</sup> /day	<0.4	F-1249/Mocon



Above chart reflects nominal test values. Actual results may fluctuate due to inherent process variation. Test data and mil thickness reflect MLT1 & 2 materials only. Certain minimum purchase volumes may apply.

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m a c h i n e s   m a t e r i a l s   s e r v i c e

s y s t e m s   a d v a n t a g e