

Military Specification Film (MLT1)

MLT1 is a waterproof and greaseproof packaging film that conforms to MIL-DTL-117H Type II Class C Style 1 (opaque) and MIL-PRF-121G Type 1 (opaque) specifications.

This co-extruded film is highly puncture resistant and has exceptionally low oxygen transmission rate (OTR) and moisture vapor transmission rate (MVTR) properties. MLT1 bags feature high integrity side seals that prevent leaking, plus a sealant layer that facilitates high quality seals when used with Autobag® packaging machinery. MLT1 is a cost-effective alternative to kraft paper bags.

Genuine Autobag bags-on-a-roll are system-matched and guaranteed to run on Automated Packaging Systems' equipment.

Technical Information

Compliances	MIL-DTL-117H TYPE II CLASS C STYLE 1 (OPAQUE) MIL-PRF-121G TYPE 1 (OPAQUE) FDA 21 CFR 177.1350 & FDA 21 CFR 177.1520
Press Printing	Yes
Imprinting	Yes
Trim Seal	No
Bag Mil Thickness	4.0
Bag Configurations	Autobag with restrictions

Performance Data:	U/M	4.0 mil	ASTM
Haze	%	Opaque	D-1003
Puncture Resistance (Dart)	grams	>841	D-1709
Tensile Strength MD	psi	4080	D-882A
Tensile Strength TD	psi	4025	D-882A
Elongation MD	%	660	D-882A
Elongation TD	%	715	D-882A
Elmendorf Tear MD	grams	379	D-1922
Elmendorf Tear TD	grams	643	D-1922
OTR	cc/100in ² /day	2.65	D-3985/Mocon
MVTR	g/100in ² /day	0.22	F-1249/Mocon

Formulations

• MLT1



Features & Benefits

- Meets MIL-DTL-117H Type II Class C specifications
- Meets MIL-PRF-121G Type I specifications
- Opaque for security
- Superior strength and seals

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



Chart reflects nominal test data values. Actual results may fluctuate due to inherent process variation. Test data and mil thickness reflect MLT1 material only. Certain minimum purchase volumes may apply.

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Patent(s): www.autobag.com/patents

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