



PolyShip™ Biodegradable Order Fulfillment Film (EOFM)

PolyShip™ is a biodegradable film developed specifically for order fulfillment applications. Polyship is made of a unique blend of resins that offer superior sealing, strength and security. The matte exterior finish is ideal for both direct thermal transfer imprinting and adhesive label application and can be pre-printed in up to ten colors for greater brand appeal.

Polyship bags feature our exclusive ProGap™ technology that guarantees reliable and consistent bag opening for better productivity and less waste. For enhanced consistency, bags are made with a special polymer technology to reduce static buildup. Polyship bags are manufactured with a unique perforation design that enables a wider, more circular bag opening for simplified product loading. These bags come standard with a large sealing window and heavy duty, reinforced side seals that protect against splitting during loading and loss of goods in transit.

Polyship contains a proprietary additive that causes biodegradation of the poly in one to five years, depending on exposure conditions. Material performance properties and bag shelf life remain intact, as biodegradation only occurs when in contact with other biodegrading material, such as the conditions found in landfills, home and commercial composting.

User Benefits

- Categorized as a #4 plastic, which is more convenient to recycle
- Excellent puncture resistance
- Static buildup is significantly reduced
- Superior graphic printing capabilities
- Unique co-ex blend that seals better and at a wider temperature range than other brands
- Strong, durable and opaque for security
- Fully biodegradable, recyclable and ecologically safe
- Heavy duty, reinforced side seals for added content protection
- Patented ProGap™ design for guaranteed bag indexing and opening
- Optional two-way tape for convenient merchandise returns

Typical Applications

- Soft Goods Fulfillment
- Pharmacy Fulfillment
- Industrial Fulfillment
- Novelty Fulfillment
- Catalog Order Fulfillment

Technical Specifications

Compliances: USPS T-3204 Rev. D for use on AFSM 100 (Flats)

Press Printing: Yes

Imprinting: Yes

Trim Seal: Yes

Mil Thickness: 2.0, 2.5, 3.0

Configuration: Autobag and SidePouch with restrictions

Performance Data:	Units	2.0 MIL EOFM	2.5 MIL EOFM	3.0 MIL EOFM
Dart Impact	g	398	438	480
Elmendorf Tear, MD	g	973	1077	1578
Elmendorf Tear, TD	g	1220	1592	2017
Tensile @ Break, MD	psi	5930	5819	5698
Tensile @ Break, TD	psi	4284	4369	4452
Elongation @ Break, MD	%	615	652	694
Elongation @ Break, TD	%	694	711	720
OTR	cc/100in ² /day	216	198	131
WVTR	g/100in ² /day	0.66	0.48	0.36



Above chart reflects nominal test data values. Actual results may fluctuate due to inherent process variation. Test data and mil thickness reflect EOFM material only. Certain minimum purchase volumes may apply. The additive used in EOFM has been tested by independent laboratories in accordance with standard test methods approved by ASTM, ISO, and other such standardization bodies, and has been approved for marketing as biodegradable and safe for the environment. California currently prohibits labeling any plastic product as biodegradable.

machines — **materials** — **service**

s y s t e m s a d v a n t a g e

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MIL
 2.0
 2.5
 3.0

EOFM

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