

Biodegradable Mailer/Parcel Film

This biodegradable film was developed specifically for mailer/parcel applications. It 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 up to ten colors for greater brand appeal.

These bags feature an exclusive 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. In addition, they are manufactured with a unique perforation design that enables a wider, more circular bag opening for simplified product loading.

Optional features include easy-open perforations and reinforced side seals that protect against splitting. Polyrol bags on a roll are guaranteed to run on most industry standard bagging equipment. 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, making it easier 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

TYPICAL APPLICATIONS

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

TECHNICAL SPECIFICATIONS

Press Printing: Yes

Imprinting: Yes

Trim Seal: Yes

Mil Thickness: 2.0, 2.5, 3.0

Performance Data	Units	2.0 MIL	2.5 MIL	3.0 MIL
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 biodegradable mailer/parcel material only. Certain minimum purchase volumes may apply. The additive used in biodegradable film 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. The rate and time for biodegradation varies depending on exposure conditions. California currently prohibits labeling any plastic product as biodegradable. This product does not meet ASTM D6400-04, which is specifically for the labeling of plastics designed to be composted in municipal and industrial aerobic composting facilities.