

Description

- Specialty, aluminum oxide coated, clear barrier sealant film
- Non GMO version available
- Combines barrier and sealant into one film, eliminating a layer of packaging
- Industrially Compostable: compliant to ASTM D6400 / EN 13432

Applications	Features
Film	Strong, airtight gusset and fin seals
Flexible Packaging	Excellent Oxygen Barrier Excellent Moisture Barrier

Sustainability

Bio-Based Content 90%
Compostability Industrially Compostable

Film Properties

Coefficient of Friction (CoF)	0.55	ASTM D1894	Static, Film
Coefficient of Friction (CoF)	0.55	ASTM D1894	Kinetic, Film
Coefficient of Friction (CoF)	0.35	ASTM D1894	Static, Film/Metal
Coefficient of Friction (CoF)	0.3	ASTM D1894	Kinetic, Film/Metal
Film Thickness	30 µm	ASTM D4321	
Gloss	130 G. U.	ASTM D2457	60°
Haze	5 %	ASTM D1003	
Hot Tack	6 n/15mm		At 121°C. Dwell time 0.5sec, Sealing pressure 43 PSI, Grip separation rate 1.31 in/sec
Oxygen Transmission Rate	12.4 cm ³ /m ² /24 hr	ASTM D3985	0% RH 23°C
Seal Initiation Temperature	71 °C		Laminated to 12µm PET, single sided jaw heat, 0.25 seconds, 60 psi
Seal Strength	14.5 n/15mm		126°C, Laminated to 12µm PET, single sided jaw heat, 0.25 seconds, 60 psi
Tensile Elongation	200 %	ASTM D882	Machine Direction
Tensile Elongation	200 %	ASTM D882	Transverse Direction
Tensile Strength	62 MPa	ASTM D882	Machine Direction
Tensile Strength	59 MPa	ASTM D882	Transverse Direction
Water Vapour Transmission Rate	8.5 g·mm/m ² /atm/24 hr	ASTM F1249	90% RH 38°C
Yield	26.9 m ² /kg	ASTM D4321	

Processing Methods

Film Extrusion

Notes

Processing

- Barrier film should not be used as a monolayer
- Barrier film side needs to be protected by another film as part of a lamination – typically a print web
- Non barrier side is always food contact side

By converting to our films the PLA aluminum oxide coated, clear barrier sealant film acts as both the sealing & barrier layer in one film, eliminating the need for a separate sealing film. A second film is required for the outer printed web which will be reverse printed.

Laminated to 12μm PET is a practice that is only done during the testing process to see what barrier level is achieved for the TDS. The MET PLA film supplied will be a stand alone film and will not be laminated to a PET film.

The property values represented in these data sheets do not constitute product specifications but typical values. Technical data and guidelines on any product or data sheet is presented for consideration and not intended as recommendation. All products sold are understood that the user will do their own testing to ensure success of their application.

The information contained within this data sheet is accurate to the best of our knowledge. Data is represented as typical property values, prior testing is always recommended.

Estimated Properties

Properties identified as 'Estimated**' have been estimated from the generic equivalent. These are provided for comparative purposes and are not reflective of the actual grade as the relevant data is not available.

Storage Recommendations

Keep dry at ambient temperature. Store indoors avoiding a humid environment, heat and direct sunlight. Use material within 6 months after delivery date, in order to prevent possible material quality deterioration.

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