

1. Product Overview & Applications

Foil Lidding Material is a high-performance sealing solution made from aluminum foil or laminated foil structures. It provides an exceptional barrier against moisture, oxygen, and light, ensuring product freshness and extended shelf life. This material is commonly used for sealing dairy products, beverages, pharmaceuticals, and convenience foods. With excellent heat-sealing properties, it ensures secure packaging for single-use and tamper-evident applications.

- Dairy & Yogurt Packaging: Ideal for single-serve yogurt and dairy cups.
- Beverage Sealing: Used for coffee pods, juice cups, and bottled drinks.
- Pharmaceutical & Medical: Provides secure and contamination-free sealing for blister packs and medical trays.
- Food & Convenience Packaging: Ensures freshness for ready-to-eat meals and snack containers.

2. Technical Specifications

Property	Unit	Typical Value
Material Composition	-	Aluminum Foil or Laminated Foil Structures
Basis Weight	g/m ²	40 - 120 ± 5
Thickness	µm	25 - 100 ± 3
Tensile Strength (MD/TD)	MPa	≥ 120 / 100
Elongation at Break (MD/TD)	%	≤ 160 / 120
Seal Strength	N/15mm	≥ 4.0
Oxygen Transmission Rate (OTR)	cc/m ² ·day	≤ 0.05
Water Vapor Transmission Rate (WVTR)	g/m ² ·day	≤ 0.3
Heat Seal Temperature	°C	100 - 220
Recyclability	-	Aluminum-based options recyclable

3. Additional Features

- High Barrier Protection: Blocks moisture, oxygen, and light to ensure product integrity.
- Strong Seal Integrity: Provides tamper-proof and leak-resistant sealing.
- Customizable Printing: Supports branding with high-resolution graphics and embossing.
- Heat & Cold Resistant: Performs well in refrigeration and high-temperature sealing applications.
- Sustainable Options: Available in recyclable aluminum foil formats.

4. Storage & Handling

- Store in a **cool, dry environment** with a temperature between **10-25°C**.
- Keep away from **direct sunlight, heat sources, and open flames** to prevent foil delamination or adhesive weakening.
- Store foil rolls or sheets **horizontally** on a stable surface to prevent bending or damage.

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