



# Specialty Liners

## Barrier Solutions



Polymer Industry



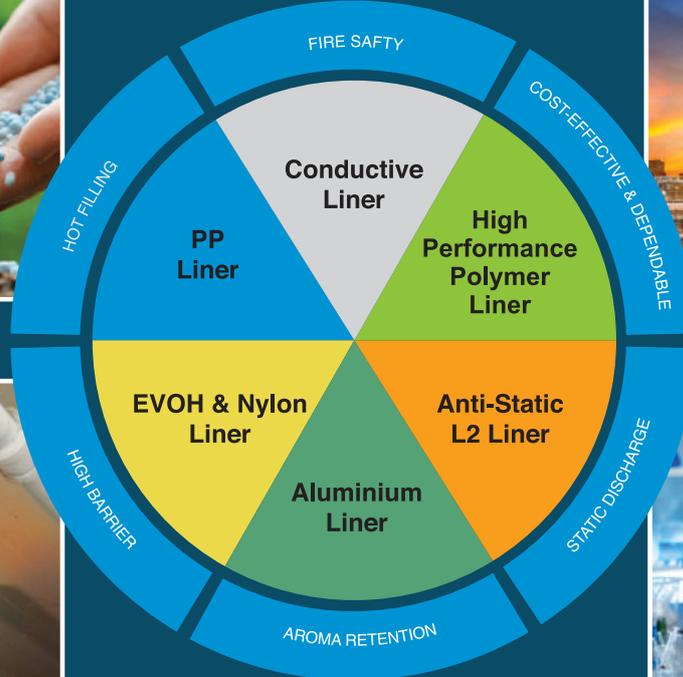
Fertilizers



General Manufacturing



Hazardous Material



Pharmaceuticals



Food Industry



# Specific liner for specific application

# MVTR/OTR Comparison Table - Choose the Right Liner for Your Needs

Liner Type	MVTR Range (g/m <sup>2</sup> -24h)	OTR Range (cc/m <sup>2</sup> -24h)	Heat Stability
Aluminium Liner	Very Low	Very Low	High
EVOH/Nylon Liner	Low	Low	Medium
Polypropylene Liner	Medium	Medium	Higher
LLDPE Liner	High	High	Low

Note: MVTR (Moisture Vapor Transmission Rate) and OTR (Oxygen Transmission Rate) values provided are for general comparison purposes only. Actual values may vary based on specific product requirements and customization.

Use this comparison table to determine the best liner type for your product's specific MVTR and OTR requirements. Emmbi Industries Limited offers a range of liner options to suit every need, ensuring optimal product protection and preservation.

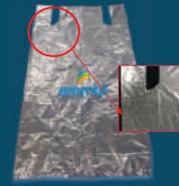
## Possible Shapes in All Ranges



Tubular Design



Loop Attached Design



Air Vent Design



Bottle-Shaped Liner



Half- Bottle Design



Bottom or top Spout Design



## PP Liner

### Features

- Higher temperature resistance (up to 295°F).
- Available in various colors and thicknesses (75 to 250 microns).
- 100% recyclable with FIBC.
- **Applications:** Fertilizers, Chemicals, Agri-products, Cement, Seeds, Sugar, Salt, Fiber, Minerals, Plastic Polymers.



## Conductive Liner

### Features

- Property to ground electrostatic charge during handling.
- Suitable for material that causes electrostatic charge during handling.
- Used in environment where there may be a risk of explosions and high fire risk.
- **Applications:** Chemical and Petrochemical industry.



## High Performance Polymer Liner

### Features

- Low cost without compromising quality.
- Average moisture barrier for versatile use.
- Available in various colors for customization.
- Impressive seal strength for added protection.
- **Applications:** Materials packed below 60°C, Products without high OTR or MVTR barrier needs, Food packaging containers, Trays, and Bags.





## EVOH & Nylon Liner

### Features

- Outstanding gas barrier property for product preservation.
- High OTR and MVTR value.
- Maximize shelf life of packaged food.
- **Application:** Food and beverage (Packed food), pharmaceuticals, mining, technical textiles.

## Aluminium Liner “Aroma Lock” Range

### Features

- Aroma retention for long-lasting freshness.
- Leak proof design for added product protection.
- Exceptional MVTR and OTR values.
- High thermal resistance for versatile use.

**Applications:** Metals , Food, Aroma retention  
High temperature filing.



## Anti-Static L2 Liner

### Features

- Surface Resistivity is  $10^9 \Omega - 10^{12} \Omega$ .
- Permanent antistatic with longer shelf life.
- Fewer migratory agents.
- Reduces risk of static discharge explosion.
- **Application:** Food packaging , oil packaging, pharmaceuticals, mining, technical textiles, Electrostatic-sensitive products.

