

Protective Packaging

Choosing The Right Packaging Matters

3D Barrier Bags Inc
CORROSION & VAPOR DAMAGE PREVENTION SPECIALISTS

Protective Packaging Materials

High Barrier Foil

High barrier foil is made up of multiple layers, including a layer of Aluminum. This layer of Aluminum gives this material the ability to protect products from deterioration from moisture, oxygen ingress, UV light, and more. Ideal for both dried product & corrosion prevention applications that would be susceptible to moisture & oxygen ingress.

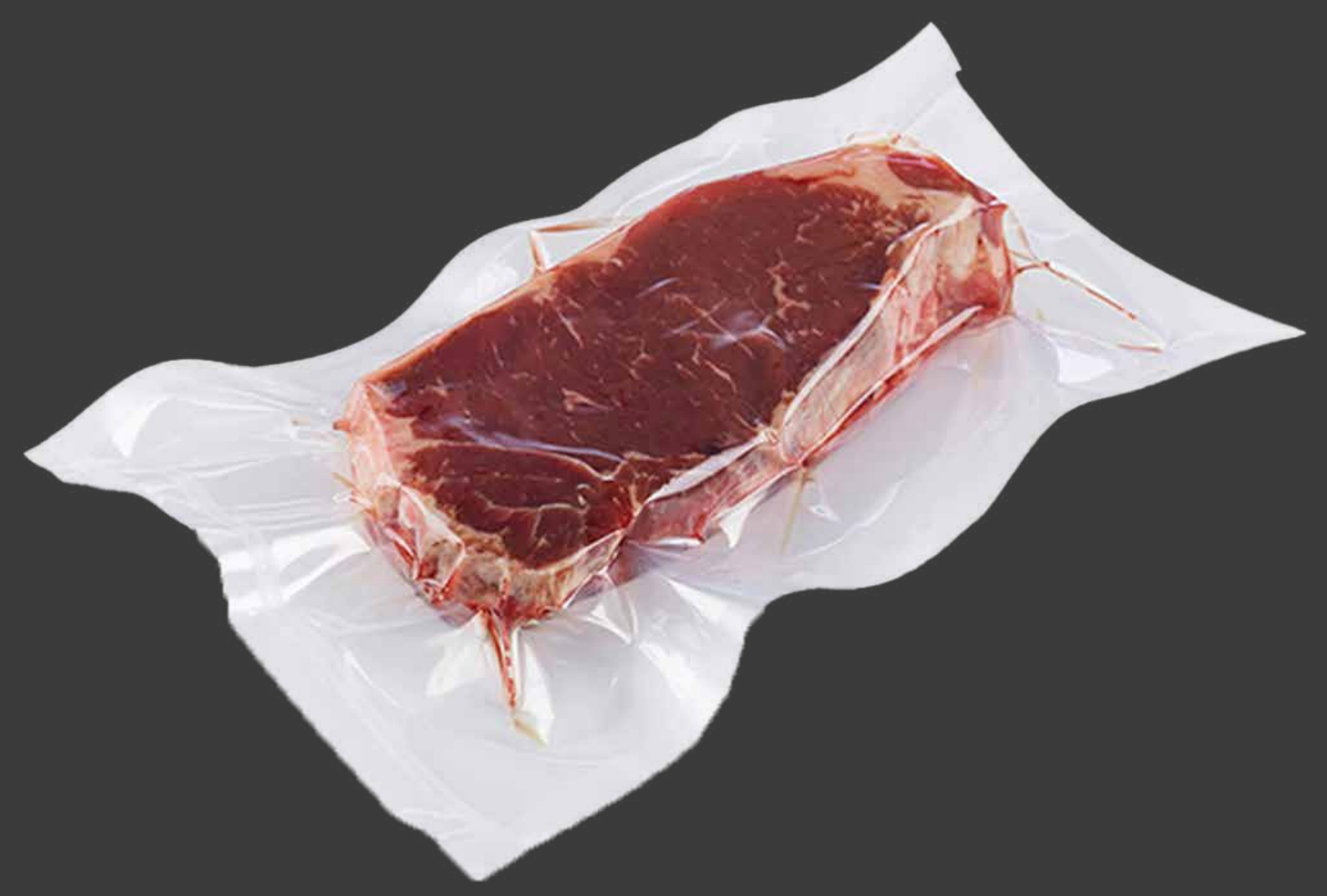


Metalized Polyester

Metalized Polyester is a polyester film that has been metalized by vapor-deposited Aluminum. Because it does not have the layer of aluminum, this material is less gas-tight than high barrier foils, but still offers improved protection from moisture & gas over PE Films. Ideal for products that require restricted visibility, but not moisture & gas tight.

High Barrier Clear Film

Ethylene-Vinyl Alcohol Copolymer is a flexible, crystal clear & glossy thermoplastic. When exposed to moisture, EVOH can lose some of its gas barrier, so it is used in multi-layered packaging. Ideal for food, chemicals and pharmaceutical preservation to keep gases out.



LDPE Film

Low density Polyethylene film is a flexible, water-repellent film that offers good optical clarity, chemical resistance. Ideal for food packaging & textile packaging that do not need to be air, gas or moisture tight.

Transmission Rates

Material	Thickness	Construction	WVTR	OTR	Standard
3D01625	6.4 MIL	PET/ALU/ PA/LDPE	0	0	g/100 in ² /24 hrs - ASTM F 1249 & D-3985
3D016SL	5.5 MIL	PET/ALU/ OPA/LDPE	<0.0006	<0.00006	g/100 in ² /24 hrs - ASTM F 1249 & D-3985
3D0038	4.1 MIL	PET/ALU/ LLDPE	<0.0006	<0.00006	g/100 in ² /24 hrs - ASTM F 1249 & D-3985
3D12/100	4.5 MIL	Metalized Poly/ LDPE	<0.0323	<0.0645	g/100 in ² /24 hrs - ASTM F 1249 & D-3985
High Barrier Clear Film	3 MIL	LLPE/PA/EVOH/ PA/LLDPE	<0.03	<0.01	g/100 in ² /24 hrs - ASTM F 1249 & D-3985
PE Film	10 MIL	Polyethylene	<0.129	>450cc	g/100 in ² /24 hrs - ASTM F 1249 & D-3985
PE Film	5 MIL	Polyethylene	<0.25	>450cc	g/100 in ² /24 hrs - ASTM F 1249 & D-3985

How Do They Hold Up?

