

Coffee Bag Material Barrier Properties

PET (POLYETHYLENE TEREPHTHALATE)

PET is a clear, strong, and lightweight plastic produced by polymerization and heat, rendering it easy to mold into any shape.

Why we love it:

- PET molds easily, making it possible to create products of all shapes and sizes.
- PET is tough and protects your delicate beans from tears and punctures during transportation or merchandising.
- PET provides a surface suitable for hot stamping or sticker label adhesion— two great ways to brand your packaging.

The downside:

- PET is transparent and thus can not protect coffee against exposure to light. Light exposure speeds the degradation of coffee quality.

LLDPE (LINEAR LOW-DENSITY POLYETHYLENE)

LLDPE is a blended form of LDPE that is more pliable and soft yet maintains superior strength.

Why we love it:

- LLDPE is the primary material used as interior lining of most products in the Flexible Packaging Industry.

The downside:

- Like PET, LLDPE is a transparent film that provides low protection against light exposure.

VMPET (VACUUM METALIZED POLYESTER FILM)

VMPET is created when PET undergoes a vacuum coating process, which adds a thin layer of metal, typically Aluminum. This process results in metalized PET.

Why we love it:

- VMPET is not entirely transparent— it is metalized! The thin layer of Aluminium provides more protection from spoilage by exposure to light.

The downside:

- VMPET is not entirely opaque— it is metalized only. An economical choice for coffee brands that do not require more extended shelf-life protection. If you move product often and fast, then VMPET can be the right choice for your coffee packaging!

MBOPP (METALIZED BIAXIALLY-ORIENTED POLYPROPYLENE)

When BOPP, a variant of Polypropylene (PP), undergoes vacuum metalization (described above), the resulting material is known as MBOPP. MBOPP is excellent for coating and printing.

Why we love it:

- MBOPP takes well to hot stamping or sticker label adhesion. Our advice is always to brand your packaging.

The downside:

- MBOPP is also not fully opaque. While it does provide better moisture and oxygen protection than VMPET, it remains behind the shadows of our next material.

ALU (ALUMINUM)

Aluminum packaging is one of the fastest growing packaging sectors of the past ten years. This versatile metal is the superhero of food preservation.

Why we love it:

- It is fully opaque! No light gets into this one!
- Offers high protection against humidity and moisture
- It is lightweight yet durable.
- You will want to look for this material if you want your coffee beans to stay fresh and aromatic for as long as possible.

The downside:

- There is no downside!