

# Stand-up pouch

LYB is advancing solutions in flexible packaging with a vertically integrated product portfolio for all multi-layered film applications.

Whether the contents are liquid, solid or powder, the stand-up pouch design offers a variety of benefits including resealability, package transparency and durability.

With a diverse portfolio of polyolefins, advanced polymers, additive masterbatches and color concentrates, LYB offers a complete packaging solution that can be customized to meet unique customer needs.

These innovative materials optimize performance, appearance and processability.



Advanced performance



Improved processing



Enhanced appearance

## Options for pouch design

### Outside film components

- BOPP *Pro-fax* Homopolymer
- BOPE *Alathon* HDPE
- MDO-PE *Alathon* HDPE
- Catalloy *Adflex/ Adsyl*
- *Polybatch* DUL
- *Polybatch* ABVT

### Extrusion lamination

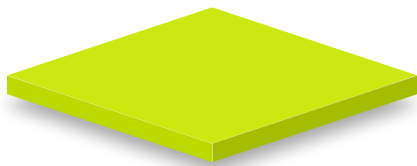
- *Petrothene* LDPE

### Inside film components

- *Petrothene* LLDPE and LDPE + *Polybatch*\*
- *Polybatch* BAR
- Catalloy *Adflex*
- *Plexar*
- *Toppyl*

\**Polybatch* Slip, AB, AS, AMF, and White are a few additive examples that can enhance your packaging design.

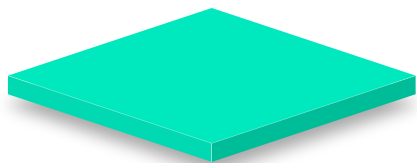
# Design selection example



## Outside film components

- *Alathon* HDPE + *Polybatch* ABVT

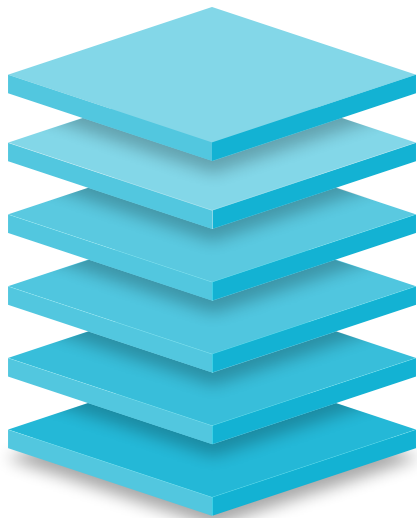
Using a high density polyethylene grade like *Alathon* provides an alternative to polyester (BOPET). Incorporating *Polybatch* ABVT, an anti-blocking masterbatch additive, can help reduce friction which allows for easier processing and handling.



## Extrusion lamination

- *Petrothene* LDPE

*Petrothene* is a low-density polyethylene resin formulated for high-speed extrusion coating applications. This resin can be drawn down to medium coating weights at high line speeds with minimum neck-in.



## Inside film components

- *Petrothene* Superhexene LLDPE + *Polybatch*\*
- *Plexar*
- *Polybatch* BAR
- *Plexar*
- mLLDPE + *Polybatch*\*
- *Catalloy Adflex*

*Petrothene* provides pouch toughness with very high dart impact and tear strength. *Polybatch* additives, like absorbers or release agents, can also be included to further improve product performance. Lastly, our tie-layered adhesive called *Plexar* is used to help bond dissimilar polymers, bringing these layers together. Collectively, these multilayers enable a durable package with enhanced performance characteristics.

\**Polybatch* has a comprehensive range of masterbatch concentrates applicable to a variety of needs.

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