



Recyclability



Appearance



Strong protection



High barrier

High barrier recyclable flexible packaging

You don't have to choose between recyclability and extended shelf life for flexible packaging. You can have them both. Here is an example.

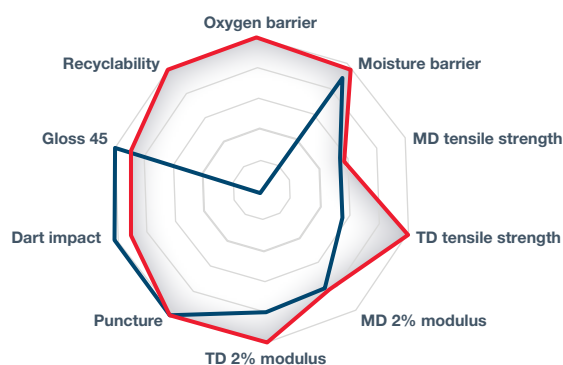
INNATE™ TF Polyethylene Resins for Tenter Frame Biaxial Orientation (TF-BOPE) are breaking through the sustainability limits of traditional PE formulations. In collaboration with regional converters and brand owners in Asia Pacific, and utilizing product development resources at Pack Studios in Asia, the possibility for a mono-PE structure to replace BOPA and other non-recyclable polymers is now here. It's sustainability, plus performance like never before.

The performance extends beyond just the recyclability. These new pouches offer the distinctive qualities of INNATE™ TF resins and a combination of Dow technologies, which mean other desired advantages:

- Shelf appeal – Excellent gloss, transparency, and haptics
- Pouch integrity – Superior film toughness for all-PE systems
- Barrier performance – Extended shelf life to keep foods fresh for all-PE systems, low HSIT with AFFINITY™ polyolefin plastomers
- Recyclability – Mono-PE structure: BOPE//PE-EVOH with RETAIN™ compatibilizer

Dry product and moist/liquid product packaging – including food-grade packaging – are possible when using these new mono-PE barrier pouches. Applications could include dry foods, snack foods, condiments, facial masks, etc.

Want to know more? We would like to tell you all about this innovation. Contact your Dow sales or TS&D representative, and let's see what we can make happen.



BOPE (20-25µm) // PE-EVOH with RETAIN™ compatibilizer

BOPA (15µm) // PE (130µm)

BOPA (15µm)
Ink & adhesive
PE film (130µm)



TF-BOPE (20-25µm)
Ink & adhesive
PE-EVOH with RETAIN™ compatibilizer

Innate TF

polyethylene resins for tenter frame
biaxial orientation by



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