



Info Sheet
Flexible Films

Recyclable PE Barrier Film Designs

Want sustainable stand-up pouches and flexible packaging?

Look no further. NOVA Chemicals has developed a range of film structure designs with all the features you expect of high-performance flexible packaging – and the added benefit of recyclability. With these designs, you can achieve the sustainability missing with traditional mixed-material packages without sacrificing performance or cost-effectiveness.



Sustainability

Recyclability and performance without the premium price tag

- Base recipes approved for How2Recycle® Store Drop-off consumer label*
- Cost-effective replacement for nonrecyclable PET/PE laminate packs



Versatility

Film structures can be used in a wide range of applications

- Roll stock is suitable for a wide range of end user packaging lines
- Easy incorporation of zippers or fitments to create recloseable packages
- Options for clear product windows



Processability

Suitable for conventional conversion and packaging equipment

- Structures designed to run on pre-made pouch, HFFS/VFFS and horizontal flow wrap lines
- Wide processing windows ensured by new Octene LLDPE resins with improved sealant characteristics
- Surface printed co-ex or reverse printed laminated film



Performance

Structures provide excellent consumer feel and barrier properties for robust shelf life

- Stiffness matching typical PET/PE laminated structures used to create stand-up pouches
- Exceptional MVTR performance of only 0.04g/100in² per day for 3.5 mil film structures
- Moisture + oxygen barrier recipes available; OTR as low as only 0.05cc/100in² per day for 3.5 mil film structures

Applications

Is recyclable barrier film right for you? It's ideal for flexible film packaging applications including:

- Stand-up pouch
- Pillow pack
- Flow wrapper
- Sachet pouches
- Premade pouches
- Lidding films
- Frozen foods
- Dry and liquid food
- Snack foods & confectionery
- Pet food and treats
- Household chemicals