

ExxonMobil portfolio advantage in extrusion coating and lamination (ECL)

A state-of-the-art portfolio* to help you create innovative new products for you and your customers

Exceed™ performance polyethylene

- Broad sealing & high hot-tack range
- High seal strength
- High toughness
- Solution optimization & downgauging opportunities

ExxonMobil™ low-density polyethylene

- Preferred polymer in ECL
- Easy processing, low neck-in, stable melt
- Broad product offering

Escorene™ ethylene vinyl acetate copolymer

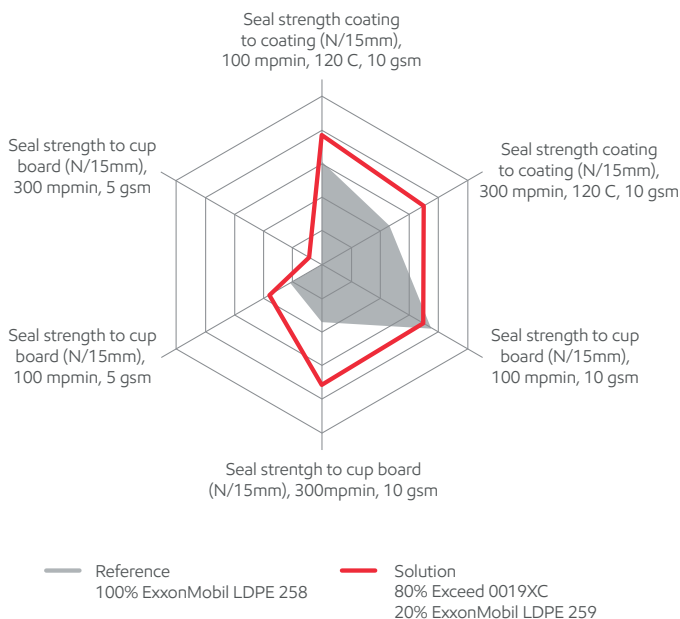
- Low seal initiation temperature (SIT)
- Excellent opticals
- Particularly well suited for refrigerated goods
- Used for food packaging, lidstock and thermal lamination films

Exact™ Plastomer resin

- Superb sealing properties

* Not all ExxonMobil grades may be available in all regions.

Exceed™ performance polymer rich solution broadens operating window



Scale from 0 – 10 N/15mm

5 and 10 gsm polymer coated onto 70 gsm Kraft paper at 315 set temp. Sealing coated Kraft paper to coated Kraft paper. Sealing coated Kraft paper to the outer - printed- side of a cup.

Data from tests performed by or on behalf of Exxon Mobil

Vistamaxx™ performance polymers

- Very low seal initiation temperature (SIT)
- Softness
- Antislip
- Adhesion to PE, PP, fabrics and paper

Escor™ ethylene and acrylic acid copolymer

- Powerful adhesion to polar substrate, foil, metallized film, paper & glass even at low extrusion temperatures
- High hot-tack force and seal strength
- Bond resistance over long shelf life

Optema™ ethylene methyl acrylate copolymer

- Good adhesion and sealing
- Well-suited for nonwovens, scrim and PP fabrics



Scan to download the factsheet

Performance improvement:



Higher seal strength



High production speed



Downgauging opportunity

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Unconventional thinking is part of our tradition

FlexPack® stands out as a compact and modular laminating line for a wide range of applications – ranging from flexible packaging to textiles, and from construction to automotive products.

The market and thus the requirements for extrusion lines are constantly changing. SML keeps up with the times and FlexPack® is the best proof of this. FlexPack® guarantees thoroughly safe, cost-effective and user-friendly production while delivering extraordinary product qualities. Its modular set-up facilitates the subsequent positioning of a second laminator, creating highly complex laminate structures in one single production step.

Raw materials:

Substrates	BOPP film, BOPET film, PA film, paper, aluminium foil, metallised film, barrier film, nonwovens, etc.
Extrusion materials	LDPE, PP, EAA, EMA, EVA, IONOMERS.

Coating weight: 5 – 50 g/sqm (depending on the product)

Types	FlexPack® 1500	FlexPack® 1800
Product width	700 - 1,350 mm	800 - 1,650 mm
Max. mech. line speed	350 m/min	350 m/min
Max. mech. line speed, shaftless	700 - 1,350 mm	450 m/min

