



Exceed™ Tough+ Exceed™ Flow Exceed™ Flow+ Exceed™ Exxtra™ Seal

Water quenched barrier thermoforming packaging with excellent optics and puncture without PA



Design for recyclability*



High oxygen barrier performance



Good puncture resistance



High optics performance

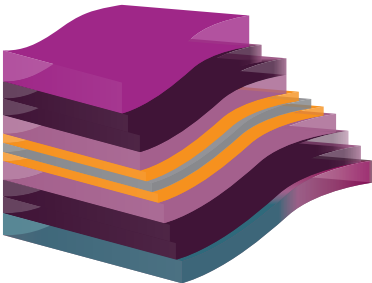
* Recyclable in the few communities with programs and facilities in place that collect and recycle plastic film. Data and results presented herein apply specifically to the noted application under this machine run sheet. Your results may differ depending on factors such as operating conditions, equipment and materials used.

| Polymer properties | Exceed™ Tough+ m 0512 | Exceed™ Flow m 1716 | Exceed™ Flow+ m 0938 | Exceed™ m 2018 | Exxtra™ Seal POP 2008.MK | Test method** (based on) | Unit |
|--------------------------------|--------------------------|------------------------|-------------------------|-------------------|-----------------------------|-----------------------------|----------|
| Melt Index (190 °C/2.16 kg) | 0.50 | 1.7 | 0.90 | 2.0 | 2.0 | ASTM D1238 | g/10 min |
| Density | 0.912 | 0.916 | 0.938 | 0.918 | 0.908 | ASTM D792 | g/cm³ |

** For detailed product information, please consult the individual grade data sheet, available on our website: www.exxonmobilchemical.com. Values given are typical and should not be interpreted as specifications. Data generated by or on behalf of ExxonMobil Product Solutions.

Thickness: 180 µm

- Exceed™ Tough+ m 0512
- Exceed™ Flow m 1716
- Exceed™ Flow+ m 0938
- Exceed™ m 2018
- Exxtra™ Seal POP 2008.MK
- Tie MB
- EVOH
- Additive



Scan for more information

For more information: exxonmobilchemical.com/pe

What’s new: ExxonMobil Signature Polymers

All our polymers are now positioned under a single portfolio brand: Signature Polymers. The aim is to simplify our product architecture and naming to improve portfolio navigation for you. We would like to stress that our commitment to high quality products remains the same. The composition of the products remains the same, it is the names that change. We will be making these modifications over the next few months, through mid 2025, so you will see both old and new grade names highlighted during that time. Here’s a quick overview of brands and grade names that have changed in this document:

| Legacy Commercial Name | New Commercial Name |
|------------------------|--------------------------|
| Exceed™ XP 7052 | Exceed™ Tough+ m 0512 |
| Enable™ 1617 | Exceed™ Flow m 1716 |
| Enable™ 4009 | Exceed™ Flow+ m 0938 |
| Exceed™ 2018 | Exceed™ m 2018 |
| Exact™ 3237 | Exxtra™ Seal POP 2008.MK |

Want to see what’s changed in our portfolio?
Go to exxonmobilchemical.com/spttransform



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Automatic high output 11 layers co-extrusion down-blown water quenching film line



Model: DBF1400SCW-11

Specifications:

| | | | |
|-------------------------------|--|------------------------|----------------|
| Applicable material: | LDPE / LLDPE / MLLDPE /HDPE/PP/PA/EVOH/Tie Widely used in composite flexible packaging film, surface protection film, waterproof material, medicine and health film fabrication | | |
| Lay Flat Width (Max.): | 1250 mm | Film thickness: | 40-350 μ m |
| Water ring diameter: | 550mm | Die diameter: | 500 mm |
| Output: | 800 kg/h | Die gap: | 1.5 mm |

High-Productivity Extruders: A-K Layer: 50 mm Screw Extruder (22 KW with Inverter Control)
L/D=30:1, barrier double barrier twin-screw design, no need change extruder when processing PA, EVOH, PP and PE materials

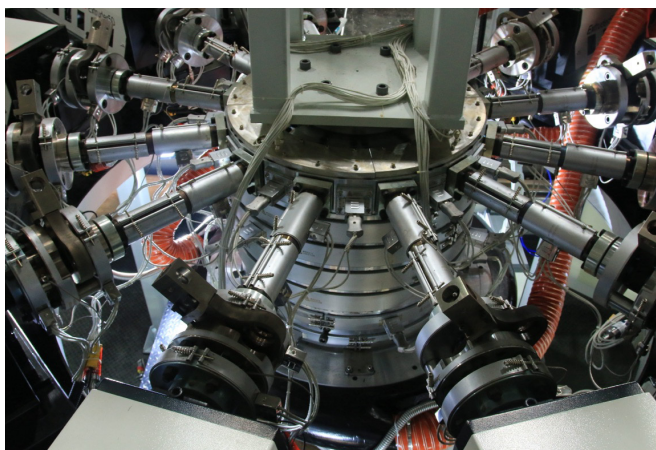
High Precision Metering & Mixing System:

Low Body Multilayer Co-extrusion Die: Novel LP low body channel design and radial type feeding channel design decreases polymers retention and gels generation, shorten recipe change time and die cleaning time; " taper-lock " structure promises accuracy of each module's position, self-alignment function ensure repeatability and accuracy of assembly and disassembly. Even layer ratio, independent channel, even hardness and heating supply promise uniform die temperature, melt mobility and thickness variation; Moreover, no extra heat generates under the high throughput as well.

Automatic Thickness Control System: Independently developed dedicated X-ray film thickness control system for TWQ and air ring with automatic air temperature adjustment system, thickness variation can be controlled within $\pm 3\%$.

Vacuumed Sizing Full Overflow Water Ring: Melt bubble can be adsorbed tightly on the inner wall of water ring, which swiftly stabilize bubble, increase cooling efficiency and improve throughput.

Winding System: Double 1400 mm surface / central / gap winder



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