



Low density Exceed™ XP 7 performance polyethylene extends the extreme performance of collation shrink films

Exceed XP 7 grades extend the extreme performance of collation shrink films by delivering remarkable mechanical properties with a combination of low density and fractional melt index (MI).



Excellent toughness



Lower shrink temperature



Outstanding optical properties



Package integrity

Exceed XP 7021 and Exceed XP 7052 performance polyethylene offers the value chain a combination of attributes – including excellent toughness and puncture resistance, outstanding optical properties, and high shrink speeds at low temperatures – currently unavailable in a single resin.

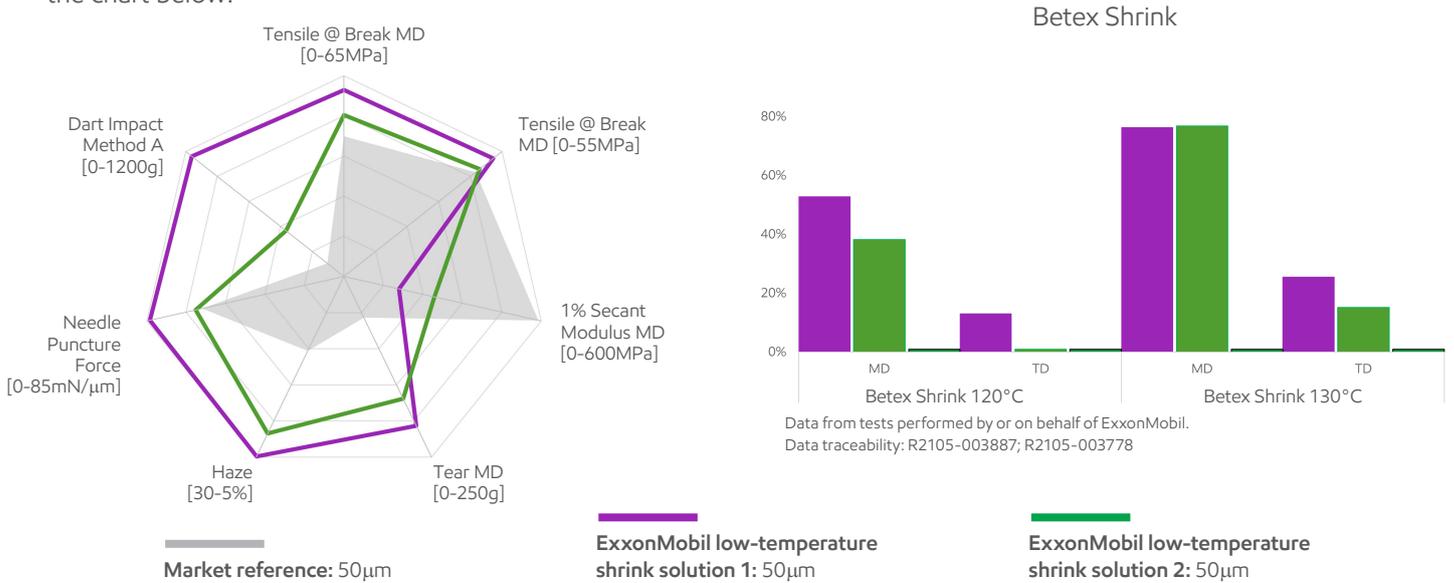
Beneficial attributes

- High shrink speeds and snug-fit at low temperatures (120°C)
- Outstanding optics with improved bulls-eye appearance
- Excellent toughness and puncture resistance

Value

- Package integrity with tamper resistance
- Potential energy cost savings due to lower shrink processing temperature
- Protection of thermo-sensitive products
- No sealing or stickiness to primary packaging, e.g. PE-based bottles/bags, labels, POF overwrap
- Cardboard removal

3-layer 50 micron collation shrink film solutions based on Exceed™ XP 7021, Exceed XP 7052 and Enable™ 4002 performance polyethylene offer significant benefits compared to a 50 micron market reference alternative, as can be seen in the chart below.



	Market reference: 50µm	ExxonMobil low-temperature shrink solution 1: 50µm	ExxonMobil low-temperature shrink solution 2: 50µm
Ratio	1 / 3 / 1	1 / 2 / 1	1 / 2 / 1
A/C	MDPE* LDPE 165BW1	Exceed XP 7052	Exceed XP 7052 Enable 4002
B	MDPE* LDPE LD 165BW1 HDPE HTA 108	Exceed XP 7021 LDPE LD 165BW1	Exceed XP 7021 Enable 4002 LDPE LD 165BW1

*MDPE: 0.25 g/10min MI; 0.940 g/cm³ density

Extend the extreme performance of your collation shrink films using Exceed XP 7 performance polyethylene.

Grade	Melt index (g/10 min)	Density (g/cm ³)	Slip / anti-block
Exceed XP 7021	0.20	0.911	No
Exceed XP 7052	0.50	0.912	No

Test item	Test method
MI (Melt Index)	Test method based on ASTM D-1238
Density	Test method based on ASTM D-4703 and ASTM D-1505/ISO 1183
Tensile at Break	Test method based on ASTM D-882
1% Secant Modulus	Test method based on ASTM D-882
Elmendorf Tear	Test method based on ASTM D-1922
Dart Impact	Test method based on ExxonMobil method
Needle Puncture	Test method based on CEN 14471 (probe diameter = 0.8 mm)
Total Haze	Test method based on D-1003
Betex Shrink	Test method based on ExxonMobil method

Why ExxonMobil PE? Why today?

tomorrow's
performance
today

What some might view as solutions that will only happen in the future, ExxonMobil PE is making possible today – through our innovative and reliable products, collaborative approach, technology leadership and support, and our unmatched global supply and resources. Learn more about how we're helping our customers create solutions with sustainability benefits. Why wait for tomorrow to advance your business today? Contact your ExxonMobil PE representative and begin experiencing tomorrow's performance today in your collation shrink films.

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