

Exceed™ mLLDPE

Exceed 1518EC

Tough Premium Film Resin

Description

Exceed 1518EC resin is a hexene copolymer produced using ExxonMobil Chemical's EXXPOL® Technology.

Films made from Exceed 1518EC resin have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, allow downgauging.

Applications

- Liners
- General packaging
- Ice bags
- Stretch film

Additive Package	PPA	Antiblock	Slip	Thermal Stabilizer
Exceed 1518EC	Yes	5000 ppm	800 ppm	Yes

Resin Properties	Test Based On	Typical Value / Units
Melt Index	ExxonMobil Method	1.5 g/10 min
Density	ExxonMobil Method	0.918 g/cm ³
Peak Melting Temperature	ExxonMobil Method	119°C 246°F

Film Properties¹ (1 mil (25.4 micron) film)

Haze		ASTM D1003	21%	
Gloss, 45°	MD	ASTM D-2457	36	
	TD		40	
Tensile Strength @ 2% Offset	MD	ASTM D882	8.7 MPa	1300 psi
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Tensile Strength	MD	ASTM D882	39.3 MPa	5700 psi
	TD		32.4 MPa	4700 psi
Elongation @ Break	MD	ASTM D882	500%	
	TD		570%	
1% Secant Modulus	MD	ASTM D882	179.3 MPa	26000 psi
	TD		185.5 MPa	26900 psi
Tear Resistance	MD	ASTM D1922	320 g	
	TD		470 g	
Puncture Break Energy		ExxonMobil Method	1.6 J	14 in-lb
Dart Drop Impact, F ₅₀		ASTM D1709	540 g	

1. Film obtained on a 2.5 inch blown film line equipped with a 2.5:1 blow-up ratio, 60 mil die gap, 403°F (206°C) melt temperature, 26 inch frostline and 10 lbs/die inch/hr.

Exceed 1518EC can - in principle - be used in food contact applications in all EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.