

EXCEED™ mLLDPE

Exceed 1518CA Tough Premium Film Resin

Description

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

Films made from Exceed 1518CA resin have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, makes this resin a very versatile packaging film resin.

Applications

- Blown stretch
- Liners
- Heavy duty bags
- Food packaging
- General Packaging
- Ice bags

Additive Package	PPA	Antiblock	Slip	Thermal Stabilizer
Exceed 1518CA	Yes	No	No	Yes

Resin Properties	Test Based On	Typical Value / Unit
Melt Index	ASTM D 1238	1.5 g/10 min
Density	ExxonMobil Method	0.918 g/cm ³
Peak Melting Temperature	ExxonMobil Method	118 °C 244 °F

Film Properties (@ thickness 25 µ (1 mil))

Tensile Strength at Yield	MD	ASTM D 882	9.3 MPa	1350 psi
	TD		9.7 MPa	1400 psi
Tensile Strength at Break	MD	ASTM D 882	55.8 MPa	8100 psi
	TD		55.8 MPa	8100 psi
Elongation at Break	MD	ASTM D 882		580 %
	TD			700 %
1% Secant Modulus	MD	ASTM D 882	182 MPa	26400 psi
	TD		133.8 MPa	19400 psi
Haze		ASTM D 1003		25 %
Gloss MD, 45°		ASTM D 2457		27
Dart Drop Impact Strength, F50		ASTM D 1709A		390 g
Elmendorf Tear Strength	MD	ASTM D 1922		320 g
	TD			450 g
Puncture Force Energy		ExxonMobil Method	47.6 N	10.7 Lb
			3.6 J	32 in-lb

Film obtained on a 2.5 inch blown line equipped with a 2.5:1 blow-up ratio, 60 mil die gap, 401°F melt temperature, 25 inch frostline and 10 lbs/hr/die inch.

Exceed 1518CA 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.

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