

EXCEED™ mLLDPE

Exceed 1018CA Premium Blown Film Resin

Description

Exceed 1018CA is a hexene copolymer produced using ExxonMobil Chemical's EXXPOL® Technology.

Films made from Exceed 1018CA have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, makes this a very versatile packaging film resin.

Applications

- Blown stretch
- Shipping sacks
- Heavy duty bags
- Food packaging
- Laminations
- Multilayer packaging film

Additive Package	PPA	Antiblock	Slip	Thermal Stabilizer
Exceed 1018CA	Yes	No	No	Yes

Resin Properties	Test Based On	Typical Value / Unit
Melt Index	ASTM D 1238	1 g/10 min
Density	ExxonMobil Method	0.918 g/cm ³
Peak Melting Temperature	ExxonMobil Method	119 °C 246 °F

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

Tensile Strength at Yield	MD	ASTM D 882	9 MPa	1300 psi
	TD		9.7 MPa	1400 psi
Tensile Strength at Break	MD	ASTM D 882	75.8 MPa	11000 psi
	TD		62.7 MPa	9100 psi
Elongation at Break	MD	ASTM D 882		500 %
	TD			700 %
1% Secant Modulus	MD	ASTM D 882	183 MPa	26600 psi
	TD		205 MPa	29700 psi
Haze		ASTM D 1003		18 %
Gloss MD, 45°		ASTM D 2457		42
Dart Drop Impact Strength, F50		ASTM D 1709A		560 g
Elmendorf Tear Strength	MD	ASTM D 1922		280 g
	TD			460 g
Puncture Energy		ExxonMobil Method	4.3 J	38 in-lb

Film obtained on a 2.5 inch blown film line equipped with a 2.5:1 blow-up ratio, 60 mil die gap, 408°F (209°C) melt temperature, 20 inch frostline and 10 lbs/die inch/hr.

Exceed 1018CA 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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