

## ExxonMobil Exceed™ 1012CA Film Resin (discontinued \*\*)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Very Low Density Polyethylene (VLDPE)

### Material Notes:

Exceed 1012CA mVLDPE resin is a hexene copolymer produced using ExxonMobil Chemicals EXXPOL® Technology. Films made from 1012CA resin have outstanding cold temperature toughness, impact strength and puncture. These superior strength properties, along with excellent heat sealing and hot tack performance, make this a very versatile packaging film resin. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Exceed-1012CA-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1012CA-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.912 g/cc	0.0329 lb/in <sup>3</sup>	ExxonMobil Method
Thickness	25.4 microns	1.00 mil	
Melt Flow	1.0 g/10 min	1.0 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	7.45 MPa	1080 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	7.38 MPa	1070 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Puncture Energy	5.84 J	4.31 ft-lb	Exxon Mobil Method
Elmendorf Tear Strength, MD	8.27 g/micron	210 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	13.0 g/micron	330 g/mil	ASTM D1922
Dart Drop	32.3 g/micron	820 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	71.64 MPa	10390 psi	ASTM D882
Film Tensile Strength at Break, TD	63.6 MPa	9230 psi	ASTM D882
1% Secant Modulus, MD	131 MPa	19000 psi	ASTM D882
1% Secant Modulus, TD	141 MPa	20400 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	116 °C	241 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	16 %	16 %	ASTM D1003
Gloss	39 %	39 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	PPA and Thermal Stabilizer	

## Contact Songhan Plastic Technology Co.,Ltd.

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