

## ExxonMobil Exceed™ 1023CA Tough Premium Film Resin (discontinued \*\*)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Blow Molding Grade

### Material Notes:

Exceed 1023CA resin is a hexene copolymer produced using ExxonMobil Chemicals EXXPOL® Technology. Films made from 1023CA resin have outstanding tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, makes 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-1023CA-Tough-Premium-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-Exceed-1023CA-Tough-Premium-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 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	11.0 MPa	1600 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	11.7 MPa	1700 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	590 %	590 %	ASTM D882
Film Elongation at Break, TD	740 %	740 %	ASTM D882
Puncture Energy	3.62 J	2.67 ft-lb	Exxon Mobil Method
Elmendorf Tear Strength, MD	9.25 g/micron	235 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	19.7 g/micron	500 g/mil	ASTM D1922
Dart Drop	22.0 g/micron	560 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	63.4 MPa	9200 psi	ASTM D882
Film Tensile Strength at Break, TD	56.5 MPa	8200 psi	ASTM D882
1% Secant Modulus, MD	241 MPa	34900 psi	ASTM D882
1% Secant Modulus, TD	273 MPa	39600 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	121 °C	250 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	30 %	30 %	ASTM D1003
Gloss	22 %	22 %	45°, MD; ASTM D2457
	22 %	22 %	45°, TD; ASTM D2457

Descriptive Properties	Value	Comments
Features	PPA and Thermal Stabilizer	

## Contact Songhan Plastic Technology Co.,Ltd.

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