

ExxonMobil Exceed™ 1023DA Tough Premium Film Resin (discontinued **)

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

Material Notes:

Exceed 1023DA resin is a hexene copolymer produced using ExxonMobil Chemicals EXXPOL® Technology. Films made from 1023DA 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-1023DA-Tough-Premium-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in³	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	10.3 MPa	1500 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	590 %	590 %	ASTM D882
Puncture Energy	1.76 J	1.30 ft-lb	Exxon Mobil Method
Elmendorf Tear Strength, MD	9.45 g/micron	240 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	18.9 g/micron	480 g/mil	ASTM D1922
Dart Drop	6.69 g/micron	170 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	43.4 MPa	6300 psi	ASTM D882
Film Tensile Strength at Break, TD	32.4 MPa	4700 psi	ASTM D882
1% Secant Modulus, MD	231 MPa	33500 psi	ASTM D882
1% Secant Modulus, TD	241 MPa	34900 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	122 °C	252 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	25 %	25 %	ASTM D1003
Gloss	25 %	25 %	45° , MD; ASTM D2457
	27 %	27 %	45° , TD; ASTM D2457

Descriptive Properties	Value	Comments
Features	PPA and Thermal Stabilizer	

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