ExxonMobil

Exceed™ 1023JA

Metallocene Polyethylene Resin

Product Description

EXCEED 1023JA resin is a metallocene ethylene-hexene copolymer. Films made from Exceed 1023JA 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.

General

Availability [1]	▪ Latin America	▪ North America	
Additive	▪ Antiblock: 4500 ppm ▪ Slip: No	▪ Processing Aid: Yes ▪ Thermal Stabilizer: Yes	
Applications	▪ Bag in Box ▪ Barrier Food Packaging ▪ Blown Film	▪ Form Fill And Seal Packaging ▪ Heavy Duty Bags ▪ Multilayer Packaging Film	▪ Packaging Films ▪ Premium Trash Bags ▪ Stand Up Pouches
Revision Date	▪ 12/01/2012		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.923	g/cm³	0.923	g/cm³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	1.0	g/10 min	1.0	g/10 min	ASTM D1238
Peak Melting Temperature	249	°F	121	°C	ExxonMobil Method

Film Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield MD	1500	psi	10	MPa	ASTM D882
Tensile Strength at Yield TD	1500	psi	10	MPa	ASTM D882
Tensile Strength at Break MD	7600	psi	50	MPa	ASTM D882
Tensile Strength at Break TD	6000	psi	41	MPa	ASTM D882
Elongation at Break MD	510	%	510	%	ASTM D882
Elongation at Break TD	610	%	610	%	ASTM D882
Secant Modulus MD - 1% Secant	33000	psi	230	MPa	ASTM D882
Secant Modulus TD - 1% Secant	35000	psi	240	MPa	ASTM D882
Dart Drop Impact	260	g	260	g	ASTM D1709A
Elmendorf Tear Strength MD	260	g	260	g	ASTM D1922
Elmendorf Tear Strength TD	500	g	500	g	ASTM D1922
Puncture Force	10	lbf	43	N	ExxonMobil Method
Puncture Energy	22	in·lb	2.4	J	ExxonMobil Method

Optical Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Gloss (45°)	39		39		ASTM D2457
Haze	26	%	26	%	ASTM D1003

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

Film (1 mil / 25.4 micron) made from Exceed 1023JA on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 403°F (206°C), a 60 mil (1.52 mm) die gap at a rate of 10 lbs/hr/in die circumference (1.79 kg/hr/cm).

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Notes

Typical properties: these are not to be construed as specifications.

[1] Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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