

Pakro Kimya Dış Ticaret A.Ş.

İstoç Ticaret Merkezi Aktem Plaza Kat:5 Daire:33 Bağcılar/İstanbul

E‰onMobil

Product Datasheet ExxonMobil[™] LDPE LD 165.BW1 Low Density Polyethylene Resin

Product Description

ExxonMobil[™] LD 165.BW1 resin is a fractional melt index LDPE with medium optical properties.

General					
Availability ¹	 Latin America 		North America		
Additive	 Antiblock: No 	•	Slip: No	Thermal S	Stabilizer: Yes
Applications	Agricultural FilmBlend PartnerConstruction Film		 Foams Heavy Duty Bags High Performance Collation Shrink 		
Form(s)	 Pellets 				
Revision Date	• 06/17/2020				
Resin Properties	Typical Value	(Epolich)	Typical Value	(51)	Test Based On
Density		g/cm ³		g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)		g/10 min		g/10 min	ASTM D1303
Peak Melting Temperature	232	5	111	5	ExxonMobil Method
Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Vicat Softening Temperature	199		93.0		ExxonMobil Method
Film Properties	Typical Value	-	Typical Value		Test Based On
Tensile Strength at Yield MD	1800	•		MPa	ASTM D882
Tensile Strength at Yield TD	1800	1		MPa	ASTM D882
Tensile Strength at Break MD	4500	•	_	MPa 🧹	ASTM D882
Tensile Strength at Break TD	4000	psi		MPa	ASTM D882
Elongation at Break MD	150		150		ASTM D882
Elongation at Break TD	630	%	630	%	ASTM D882
Secant Modulus MD - 1% Secant	32000	psi	220	MPa	ASTM D882
Secant Modulus TD - 1% Secant	43000	psi	290	MPa	ASTM D882
Dart Drop Impact	180	g	180	g	ASTM D1709A
Elmendorf Tear Strength MD	190	g	190	g	ASTM D1922
Elmendorf Tear Strength TD	150	9	150	9	ASTM D1922
Puncture Force	17	lbf	76	Ν	ExxonMobil Method
Puncture Energy	19	in·lb	2.2	J	ExxonMobil Method
Optical Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Gloss	39	()	39	(/	ASTM D2457
Haze	15	%	15	%	ASTM D1003
	15		15		

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 (2 mil / 50.8 micron) made from LD 165.BW1 resin on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blown-up ratio, a melt temperature of 360-380°F (182-193°C), a 30 mil (0.76 mm) die gap at a rate of 8 lbs/hr/in die circumference (1.43 kg/hr/cm).

ExxonMobil™ LDPE LD 165.BW1

Low Density Polyethylene Resin

ExonMobil

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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