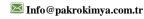
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Product Datasheet

ExxonMobil™ LDPE LD 317.PM





Product Description

ExxonMobil™ LD 317.PM is fractional melt index, 6 wt% vinyl acetate copolymer film resins. Films made from LD 317.PM resins offer excellent impact strength, tensile properties, and heat sealability.

General						
Availability ¹	 Latin America 		 North America 			
Additive	 LD 317.PM: A 	ntiblock: No; Slip:	No; Thermal Stabilizer: Yes			
Applications - Agricultur - Batch Inc - Co-Extrus - Construct		n Bags Films	Heavy Duty Bags		Poultry BagProduce BagsProfile Extrusion	
Form(s)	 Pellets 					
Revision Date	• 06/17/2020					
Resin Properties	Typical	Value (English)	Typical Value	(SI)	Test Based On	
Density		0.926 g/cm^3	**	g/cm ³	ASTM D1505	
Melt Index (190°C/2.16 kg)		0.30 g/10 min		g/10 min	ASTM D1238	
Vinyl Acetate Content		6.0 wt%		wt%	ExxonMobil Method	
Peak Melting Temperature		214 °F	101	°C	ExxonMobil Method	
Thermal	Typical	Value (English)	Typical Value	(SI)	Test Based On	
Vicat Softening Temperature	Туріса	181 °F	83.0		ExxonMobil Method	
					r	
ilm Properties	Typical	Value (English)	Typical Value	(SI)	Test Based On	
Tensile Strength at Yield MD		1100 psi	7.7	MPa	ASTM D882	
Tensile Strength at Yield TD		1000 psi	7.1	MPa	ASTM D882	
Tensile Strength at Break MD		4800 psi	33	MPa	ASTM D882	
Tensile Strength at Break TD		4400 psi	31	MPa	ASTM D882	
Elongation at Break MD		310 %	310	%	ASTM D882	
Elongation at Break TD		590 %	590	%	ASTM D882	
Secant Modulus MD - 1% Secant	•	17000 psi	120	MPa	ASTM D882	
Secant Modulus TD - 1% Secant	2	20000 psi	140	MPa	ASTM D882	
Dart Drop Impact	·	450 g	450	g	ASTM D1709A	
Elmendorf Tear Strength MD		150 g	150	g	ASTM D1922	
Elmendorf Tear Strength TD		120 g	120	g	ASTM D1922	
Puncture Force		19 lbf	84	N	ExxonMobil Method	
Puncture Energy		35 in·lb	3.9	J	ExxonMobil Method	
				(=)		
Optical Properties	Typical	Value (English)	Typical Value	(SI)	Test Based On	
Gloss (45°)		63	63		ASTM D2457	
Haze		6.7 %	6.7	%	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 (2.0 mil/50.8 micron) made on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-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).

Effective Date: 06/17/2020 ExxonMobil Page: 1 of 2



ExxonMobil™ LDPE LD 317.PM Low Density Polyethylene Resin

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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