



Polyon

2017

RESINAS LDPE

Lista de Productos LDPE



	Aplication	Id	Density	Melt In	Tensile S	Elongation	Impact
BLOWN FILM	Shrink Film	F180	0.921	0.7	4,800	200%	110g
	Medium Duty	F40	0.924	0.8	4,400	500%	125g
	Shrink Packaging	B17	0.930	1.6	49,000	300%	<65g
	General Purpose	F41	0.923	2.0	3,500	350%	100g
	Industrial Packaging	F92	0.921	2.5	3,800	250%	100g
	Food Contact Ap	F79	0.921	2.5	27,000	250%	100g
	General Bags	P41	0.923	3.0	3,800	485%	100g
CAST	High Clarity Packaging	F31	0.924	2.2	3,300	550%	75g
	Textile Items	F31	0.924	2.2	3,400	575%	100g
	Diaper Backing	F37	0.922	4.0	3,500	350%	80g
EXTRUSION RESINS	General Extrusion	C80	0.918	1.7	1,800	500%	
	Laminting	C15	0.918	3.5	1,600	500%	
	Food Contact	C19	0.923	4.2	1,400	100%	
	Liquid Containers	C47	0.923	4.5	1,600	450%	
	Photographic Paper	C40	0.922	5.6	1,900	180%	
	Folded Cartons	C49	0.921	5.7	1,500	475%	
	Playing Cards	C88	0.917	7.0	1,500	400%	
	Hot melt laminating	C44	0.918	8.0	1,400	400%	
	Freezer Wrap	C42	0.917	10.0	1,335	300%	
	Food Contact Ap	C85	0.915	12.5	1,400	400%	
	Light Weight Coatings	C46	0.918	13.7	1,300	450%	
TUBULAR	Heavy Duty Bags	F60	0.919	0.25	3,500	250%	250g
	Shipping Sacks	F62	0.919	0.60	2,500	145%	128g
	Industrial Shrink	F63	0.919	1.2	4,400	180%	125g
	Multiwall	F66	0.919	2.2	3,900	300%	125g
	Industrial Liners	F70	0.923	2.3	3,500	300%	85g
	High Drawdown	F67	0.919	7.0	3,000	250%	95g

Polyon Polymers cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties but they should not be used to establish specification limits or used alone as the basis design.



Polygon

Technical Data Sheet
Revision 0 (November/15/16)

POLYENE F60

Low Density Polyethylene

Description:

Polyene F60 is a low density fractional melt blown film resin suitable for heavy duty film requiring high strength and processability. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Applications:

Heavy duty bags, heavy duty shipping sacks, industrial shrink film, general purpose packaging.

Control Properties:

	Method ASTM	Units	Value
Melt Flow Rate (190°C/2.16kg)	D 1238	g	0.25
Density	D 1505	g/cm ³	0.919

Properties		Method ASTM	Units	Value
Dart Impact		D 1709	g/mil	250
Coefficient of Friction		D 1894		0.5
Ultimate Tensile	MD	D 882	Mpa	3,500 psi
	TD			2,700 psi
Ultimate Elongation	MD	D 882	%	250
	TD			750
1% Secant Modulus	MD	D 882	Mpa	22,000 psi
	TD			28,000 psi

Final Observations:

Polygon Polymers and its affiliate Polygon Mexico cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties but they should not be used to establish specification limits or used alone as the basis of design.

THIS PRODUCT DATA SHEET EFFECTIVE AUGUST 2016 SUPERSEDES ALL DATA PREVIOUSLY PUBLISHED

CD DE MEXICO TAMAULIPAS TIJUANA SAN DIEGO MIAMI BARCELONA



Polyon

Technical Data Sheet
Revision 0 (November/15/16)

POLYENE F41

Low Density Polyethylene

Description:

A non-additivated low density polyethylene. It has good optical properties and excellent processability.

Applications:

Bags and sacks, Shrink Film, Blown Film, Cast Film and Food Packaging Films.

Process:

Blown Film, Cast Film.

Control Properties:

Typical Physical Properties

<u>Property</u>		<u>Test Method</u>	<u>Typical Value, Units</u>
Melt Index		D 1238	2.0 g/10 min
*Density		D 1505	923 kg/m ³ (0.923 g/cm ³)
*Haze		D 1003	4.2 %
*Specular Gloss @ 45°		D 2457	76
Dart Impact		D 1709	100 g/mil
Ultimate Tensile	MD	D 882	3,500 psi
	TD	D 882	2,700 psi
Elongation	MD	D 882	350 %
	TD	D 882	700 %
1% Secant Modulus	MD	D 882	25,000 psi
	TD	D 882	29,000 psi

Final Observations:

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