ExxonMobil[™] LDPE

E‰onMobil



ExxonMobil™ LDPE Product finder – Europe, Africa & Middle East

ExxonMobil's broad portfolio of low-density polyethylene (LDPE) resins allows you to optimize your ExxonMobil's performance PE solutions. Ranging from 0.913 to 0.934 g/cm³, they are suitable to produce a large variety of general-purpose applications along with being excellent blend partners in high-performance applications, which include blown and cast film, extrusion coating, rotational and injection molding.

ExxonMobil[™] LDPE portfolio can help meet your needs offering:



High melt strength



Excellent optical properties



Outstanding shrink performance



	Film apor:	Grade name	Add packs	Densition	V (g/c _{m³}) lett index (Vinyl acets	^{n.ent} (%) DSC ^{melting} tempo	ND 18 500 AU		Haze (_{%)}	Gloss dro	Agricultural & constrictural &	Collation film heavy on shrift	Shrink & streer	FFS packas.	Lamin _{ati.}	Freezer	Bread & Dr.		Applicati ^{Label} & ^{Lotor}		2	Co.	Packaging	Cast film	
	4 0		/	/		2.6						/ ₹`8	04	15	Ľ,		Ľ.	<u>6</u> 8	Ĩ		Ţ	0	0	q	Ű	/
	E کے	LD 157	CW	0.931	0.60	-	116	340	390	7.0	65		•	•		•				•	•	•	-			Stiffness, printability for labels, medium d
	Medium density	LD 380	BA	0.931	1.9	-	116	350	400	5.9	69				•					•	•	•	•		•	High stiffness, good toughness and optica
	ĔΨ	LD 152	BW CZ LID	0.933	2.2	-	116	360	400	5.9	71									•	•	•	•		•	High stiffness. For thicker films.
		LD 151 LD 185	BW, GZ, HR BW, JD	0.934	3.0	-	116 110	370 210	370 240	6.0 6.3	73 65				•				•		•			,	•	High clarity and high stiffness. Easy tear in Good optical properties and sealing, narro
	tion	LD 185	BW, JD BW, JD	0.925	2.0	-	110	240	240	5.0	69				•											Especially designed for lamination. Very lo
щ	ina	LD 150	Dvv, JD	0.723	2.0	-	111	240	200	5.0	07				•	•		•	•							
LDF	Lamination	LD 156	BW, HE	0.926	0.75	-	112	260	290	6.9	64		٠		٠	٠	٠		٠							Especially designed for lamination. Very lo high consistency in lamination.
Homo-polymer LDPE		LD 165	BW1	0.922	0.33	-	109	230	280	15	45	•	٠	•												For high thickness films requiring lot of m bubble stability. High shrink speed, holdin
ģ		LD 100	AC, BR, BW	0.923	2.0	-	110	210	230	6.1	63				•		٠	٠							•	Co-extrusion partner (up to 10%) in skin la
두		LD 150	AC, BW	0.923	0.75	-	110	240	280	8.4	59	٠	•	•	•		•						•			Co-extrusion partner in skin layer for impr
	E	LD 159	AC	0.924	1.2	-	110	240	280	8.5	62		•		•		•	٠								Good drawdown combined with mechani
	Ξ	LD 104	BR	0.925	2.0	-	111	260	320	7.4	62				•		•	٠	•							Good optical properties combined with in
		LD 144	BR	0.927	3.1	-	112	260	310	6.2	72				•			٠	•			•			•	Excellent optical properties combined with
		LD 171	BA	0.929	0.55	-	114	280	320	6.0	69		•								•					Good film rigidity combined with very goo
		Nexxstar [™] LDPE-00328	-	0.929	0.35	-	115	300	370	9.2	55	٠	•								•					Good film rigidity combined with good op
		LD 368	HD, ON	0.924	1.5	2.5	106	160	180	6.8	63					•	٠		٠							High clarity EVA grade, offering good opti
		LD 358	BW	0.926	0.28	4.0	104	170	200	12	47	٠	•		•		٠									Offers a combination of excellent sealability
	Low VA LDPE	LD 361	BW, HF	0.926	0.50	4.2	103	160	190	14	41	•			•	•	•									Offers good mechanical and sealing prop
		LD 362	BR, BW, HE, ON	0.928	2.0	4.5	104	170	200	6.9		•			•	•	•		•							Offers very good optical properties combi
	Ž	LD 363	BR, BW	0.928	3.0	4.5	103	140	170	5.6	65					•			•						•	Offers very good optical properties combi
	۲ ۲	LD 364	HE	0.928	0.60	5.0	104	170	200	9.8	52				•	٠	٠		٠							Offers good combination of mechanical, o
		Nexxstar™ Iow EVA-00111	-	0.928	0.50	7.5	100	110	130	9.4	52	•		٠												Designed for stretch hood.



Mold comp	Grade na	Addhad	Density	Melt ind (190°C	DSC mel temperat	Tensile n at T.o.m type 14	Vicat sof tempera	Shore D hardness	Tensile s strain at type 14	Caps & c	Food cor	House-u	^{zolos}	Compou	M _{asterbi}	Artificial	Carpet b	
	LD 655	-	0.913	150	99	100	72	39	6.8					•	٠		٠	A very high flow grade with very good flexi
	LD 654	-	0.913	70	100	110	75	40	7.1					•	•	•	•	High flow grade with very good flexibility. (
	LD 650	-	0.914	22	102	120	79	41	8.2	•	•	•	•	•	•			An easy flow grade with good flexibility and
	LD 653	-	0.924	22	108	200	90	46	9.4	•	•	•	•	•	•			An easy flow grade with medium stiffness a
	LD 600	BA	0.924	21	108	190	90	45	9.4	•	•	•	•	•	•			A high flow grade, characterized by high st
	LD 605	BA	0.924	6.5	106	160	89	45	9.7		٠	•		•	٠			A general purpose grade, characterized by

m duty shrink film.

tical properties. Suitable for breathable diaper backsheet.

ar in MD and TD.

arrow specifications to deliver high consistency in lamination.

ry low gel level. Narrow specifications to deliver high consistency in lamination.

ry low gel level. Lower MI for thicker film. Narrow specifications to deliver

f melt strength. Co-extrusion partner (in core layer) for easy processing and lding force, balanced MD/TD shrink.

in layer for improved surface haze.

mproved surface haze. Co-extrusion partner in core layer for melt strength.

nanical strength.

h increased stiffness.

with increased stiffness and drawdown properties.

good optical properties.

d optical properties, making it suitable for high performance collation shrink.

optical properties combined with toughness and impact resistance. ability and toughness even at low temperatures. Provides high melt strength. roperties.

mbined with good mechanical and sealing properties.

mbined with good optical and mechanical properties.

cal, optical and sealing properties.

Features

Non-stabilized and excellent cleanliness LDPE grade especially designed for W&C

Features

flexibility. Can be added to low-flowing grades to improve processability.

ity. Can be added to low-flowing grades to improve processability.

y and excellent toughness.

iess and good toughness.

gh stiffness, good toughness and easy processability.

d by good stiffness, good toughness and easy processability.

ExxonMobil[™] LDPE

xtrusion coating	^{ade name} 3	Density C	elt index (a)	⁻ 2.16(g) bsc melting termodeling	and dure (c)	acking at 315°C, Schring at 25°C, 315° at 25°C, 3	ectin at C and a c a c a c a c a c a c a c a c a c a	-13°C, 30 m/min sek-in at 70 37 co at 70	- 3 C 3 0 m/min eck-in at 200 M (cm) 3 15° at 200	Food Packani	Liquid packas.	Industrial part	Thermal lami, Directory and a construction of the construction of		Co- _{extrusion}
	े / र	0.915	12	م` ب ی 103	<u>ර</u>	2 8	2 ซี	2 77 4.6	2 78 4.4	/ 42	7	\$	~	۵ •	o de la constante de la consta
LD 25		0.916	5.0	103	130	2.5	-	3.1		•					•
LD 25	51 -	0.916	8.0	104	230	-	4.0	3.8	-	٠	٠	•			•
LD 25	58 -	0.919	8.2	105	390	-	-	4.8	4.4	•	•	•			•
LD 25	52 -	0.923	3.8	108	280	-	4.8	4.3	-	٠	٠	٠			•
								Feat	ures						
LD 25	59 Extru abilit	Extrusion coating and lamination grade designed for non-woven substrates with the right balance between adhesion and flexibility with easy process- ability, good neck-in / draw down balance and excellent heat sealing													
LD 25	50 Low	Low speed extrusion coating and lamination grade providing very low neck-in and good heat seal properties.													
LD 25	51 Extru	ision coating	g and lamir	nation gra	ide offerin	ig good ba	lance lov	v neck-in/D	DD , for foo	d and liquid	d packaging	g with dem	anding hea	t seal appl	ications.
LD 25	58 High influe	speed, thin ence of the p	weight ext process and	rusion co I resin pa	ating and rameters o	laminatior on odor an	n grade o Id off-tas	ffering sup te properti	perior orgar ies.	noleptic pro	operties ref	lecting our	in depth kr	nowledge o	of the
LD 25	52 High	speed coati	ng grade w	vith good	MVTR ba	rrier prope	erties.								

ExxonMobil[™] LDPE additive package target values Masterbatch AC BA BR BW BW1 CW GΖ HD HE HF HR JD ON Thermal stabilizer • • ٠ • • • • Antiblock target (ppm) 450 1000 1000 1800 1500 1500 400 1800 1750 Slip content (ppm) 1050 500 650 550 330 750 833 650

Test	Test method	Test	Test method
Density	ASTM D1505	Volume resistivity	ASTM D257
Melt Index (190°C/2.16kg)	ASTM D1238	Dielectric constant	ASTM D150
Peak melting temperature	ExxonMobil method	Dissipation factor	ASTM D150
Tensile strength	ASTM D882 / ASTM D638	Vicat softening temperature	ISO 306
Elongation at yield	ASTM D638	Tensile modulus	ISO 527-2/1A/1
Elongation at break	ASTM D882 / ASTM D638	Tensile stress	ISO 527-2/1A/50
Secant modulus	ASTM D882 / ASTM D790	Shore hardness	ISO 868
Optical properties	ASTM D2457 / ASTM D1003	Draw down	ExxonMobil method
Durometer hardness (shore D)	ASTM D2240	Neck-in	ExxonMobil method



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