

LDPE(LOW DENSITY POLYETHYLENE)/LUTENE®

Application	Property* ***								Film property ** ***						Characteristics	Application	
	Grade	Melt index	Density @ 23°C	Vicat softening temperature	Tensile strength at yield	Tensile strength at break	Ultimate elongation	Brittleness temperature	Tensile strength at break		Ultimate elongation		Dart impact resistance	Tear strength			
	ASTM	D1238	D1505	D1525	D638	D638	D638	D746	MD	TD	MD	TD	D1709	MD			TD
Unit	g/10min	g/cm ³	°C	kg/cm ²	kg/cm ²	%	°C	kg/cm ²	%	g	g	g	g	g			
Film	FB 0300	0.3	0.921	93	100	150	600	<-76	230	220	500	550	400	370	450	Outstanding stress crack, optical property	Heavy duty film, shrink film
	FB 0500	0.5	0.921	93	100	150	600	<-76	230	220	500	600	300	350	400	Outstanding stress crack, good clarity	Heavy duty film
	FB 0800	0.8	0.921	92	100	145	600	<-76	220	210	550	650	230	280	350	Excellent mechanical properties & good clarity	Green house, shrink wrapping
	FB 1500	1.5	0.922	92	110	130	600	<-76	200	200	570	650	180	230	350	Outstanding optical property, stiffness and excellent	High optical films, general purpose
	FB 1700	1.5	0.922	92	110	130	600	<-76	200	200	570	650	180	230	350	Processability & mechanical property	Protection film, high optical films
	FB 1000	1.0	0.921	92	100	140	600	<-76	215	210	550	650	210	260	350	Excellent mechanical properties & good clarity	Green house, shrink wrapping
	FB 2000	2.0	0.922	90	110	130	550	<-76	210	190	550	650	150	230	320	Good mechanical property, optical property & processability	General purpose
	FB 3000	3.0	0.921	90	95	120	550	<-76	200	180	500	600	120	200	300	Good mechanical property, optical property & processability	General purpose
	FB 3500	3.5	0.923	91	100	110	550	<-76	190	170	500	600	100	180	280	Good clarity & high gloss	Clarity bags, packing
Extrusion coating	LB 4500	4.5	0.919	87	95	130	500	<-76	-	-	-	-	-	-	-	Processability, good heat stability	Kraft paper, release paper
	LB 5000	5.0	0.918	86	95	125	500	<-76	-	-	-	-	-	-	-	Excellent processability, adhesion, impermeability	Kraft paper & aluminium coating
	LB 7500	7.5	0.918	85	90	115	500	<-76	-	-	-	-	-	-	-	High speed extrusion, good adhesion & sealability	Coating & lamination
	LB 8500	8.5	0.919	86	90	110	450	<-76	-	-	-	-	-	-	-	High speed extrusion, impermeability	Kraft paper
	MB 9300	25.0	0.922	89	90	100	400	<-76	-	-	-	-	-	-	-	Excellent processability & material permeability	Car-mat back coating
Blow molding	BB 0808	0.8	0.921	92	100	145	600	<-76	-	-	-	-	-	-	-	Excellent clarity & processability	Squeeze bottle
Injection molding	MB 7700	7.0	0.919	85	90	140	520	<-78	-	-	-	-	-	-	-	Excellent flow properties	Master batch
	MB 9205	24.0	0.916	81	100	105	500	<-60	-	-	-	-	-	-	-	Excellent flow properties, surface gloss	Household & lids, powder coating
	MB 9500	50.0	0.916	74	75	90	450	<-45	-	-	-	-	-	-	-	Excellent flexibility, low temperature performance & low shrinkage	Artificial flower, lawns, powder coating

* Measured on compression molded specimen.

** 0.050mm film.

*** Values given above should only be used as a guide and should not be considered as firm specification or guarantee.

LDPE(Low Density Polyethylene)/SÉETEC

Application	Property* **										Electrical property					Film property						Application	
	Grade	Melt index	Density	Tm	Vicat softening point	Tensile strength		Elongation at break	Hardness	Tensile modulus (2% secant modulus)	Dielectric constant (1MHz)	Dielectric loss (60Hz)	Dielectric break down voltage	Volume resistivity	Film thickness	Haze	Gloss (45°)	Dart impact strength	Tensile strength at break		Elongation at break		
						Yield	Break												MD	TD	MD		TD
ASTM	D1238	D1505	HPC	D1525	D638	D638	D638	D2240	D638	D1531	D1531	D149	D257	HPC	D1003	D2457	D1709	D882	D882	D882	D882		
Unit	g/10min	g/cm ³	°C	°C	kg/cm ²	kg/cm ²	%	D Scale	kg/cm ²	-	-	kV/mm	Ω-cm	µm	%	-	g	kg/cm ²	kg/cm ²	%	%		
Wire & Cable	BC100	0.3	0.919	105	94	90	180	700	50	1,150	2.28	0.0002	50	>1017	-	-	-	-	-	-	-	-	Black jacket outdoor cable
	BC500	3.2	0.919	105	89	90	120	550	48	1,050	2.28	0.0002	50	>1017	-	-	-	-	-	-	-	-	
Heavy duty film	BF110	0.25	0.920	105	94	90	170	600	52	1,200	-	-	-	-	60	12	50	200	300	270	400	600	Heavy duty film
Shrink film	BF105	0.30	0.922	106	95	93	190	720	55	1,150	-	-	-	-	100	11	70	265	270	260	500	600	No additive
	BF115	0.50	0.922	106	94	92	180	700	52	1,150	-	-	-	-	100	9	65	180	280	270	500	650	
Green house film	BF111	0.45	0.921	106	95	90	170	700	52	1,200	-	-	-	-	60	8.5	75	150	280	260	330	630	Slip, A/B Agent Agricultural
	BF220	0.6	0.926	106	93	90	180	750	51	1,150	-	-	-	-	60	7.5	85	240	320	290	400	650	
	BF300	0.8	0.920	105	94	88	160	680	50	1,150	-	-	-	-	60	8	80	165	270	250	400	600	
General film	BF410	2.0	0.924	107	95	96	135	650	52	1,350	-	-	-	-	30	3.5	95	65	270	240	300	550	Slip, A/B Agent film
	BF500	3.0	0.920	105	90	88	125	600	49	1,100	-	-	-	-	30	5.5	95	60	260	230	300	550	
	BF511	4.0	0.924	107	93	94	120	550	51	1,350	-	-	-	-	30	5	100	50	240	210	300	550	
Masking film	BF315	1.0	0.923	105	94	88	150	600	52	1,250	-	-	-	-	30	5.5	95	75	270	250	300	550	No additive protective film
	BF415	2.0	0.924	107	92	96	125	550	50	1,200	-	-	-	-	30	5	95	55	260	240	300	550	
	BF515	4.0	0.924	107	93	94	120	550	51	1,350	-	-	-	-	30	4	100	50	240	210	300	550	
LAMI. Film (LD/LLD Blended)	B5875	1.9	0.921	-	99	96	210	780	50	2,200	-	-	-	-	40	6.5	115	110	360	330	730	850	Medium slip
	B5874	1.9	0.921	-	99	96	210	780	50	2,200	-	-	-	-	40	6.5	115	110	360	330	730	850	Low slip
Foam	BS300	1.2	0.920	107	93	86	150	650	51	1,150	-	-	-	-	-	-	-	-	-	-	-	-	Foam
	BS500	3.3	0.920	105	90	88	125	600	49	1,100	-	-	-	-	-	-	-	-	-	-	-	-	

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