

# LLDPE

Properties	Application	Density	Melt Index	Tensile Strength at Yield	Tensile Strength at Break	Elongation at Break	Applications	Characteristics
	Grade	g/cm <sup>3</sup>	g/10min	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	%		
	ASTM	D1505	D1238	D882	D882	D882		
Film	FN800	0.928	1.0	170 / 150	590 / 530	700 / 800	Laminate Tube	Tensile Strength
	FN810	0.919	0.9	120 / 110	550 / 500	700 / 800	Industrial Film, Stretch Wrap (Casting)	Tensile Strength, Heat Seal Strength
	FN812	0.919	0.75	120 / 110	550 / 500	700 / 800	Advanced Packaging, Industrial Film	Tensile Strength, Heat Seal Strength
	FT810	0.918	2.1	100 / 100	470 / 430	700 / 750	Diaper, Stretch Wrap (Casting)	Tensile Strength, Tear Strength, Impact Strength, Clarity
	FT811	0.932	2.7	200 / 170	460 / 430	750 / 800	Diaper, Electrical, Food Wrap	Tensile Strength, Processibility
	FT850	0.919	3.5	110 / 110	450 / 420	800 / 830	Stretch Wrap (Casting), T-Die	Tensile Strength, Processibility
	FT700	0.919	2.5	120 / 110	430 / 400	750 / 850	T-Die, Diaper	Tensile Strength, Processibility
	FN550	0.919	1.0	120 / 110	500 / 420	730 / 820	General Packing, Automatic Packaging	Tensile Strength, Tear Strength, Heat Seal Strength
	FT510	0.918	2.0	120 / 110	400 / 370	750 / 850	T-Die, Stretch Wrap	Tensile Strength, Processibility
	FN400	0.919	1.0	120 / 110	430 / 360	750 / 850	Food Wrap	Tensile Strength
	FT400	0.919	2.8	110 / 110	350 / 320	800 / 830	Diaper, Electrical, Food Wrap	Processibility, Clarity
	FT409	0.927	2.5	170 / 150	360 / 330	750 / 800	Stretch Wrap (Casting), T-Die	Tensile Strength, Processibility, Clarity
	FU149M	0.919	1.0	120 / 110	430 / 360	750 / 850	General Purpose	Tensile Strength, Tear Strength, Antiblock, Sealability, Clarity & Processibility
	FV149M	0.919	2.0	120 / 110	380 / 350	790 / 870	General Purpose	Processibility, Antiblock And Sealability, Clarity
wire & cable	WE100	0.919	2.8	101	212	790	Jacket For Cable And Wire	Durability, Processibility
Extrusion Coating	CA100	0.919	7.0	101	150	600	Extrusion Coating, Casting Film	Processibility, Stiffness, Heat Resistance
Injection Molding	JL210	0.924	20	150	120	600	Lid, Containers	Moldability, Flexibility

# HDPE/MDPE

Properties	Application	Density	Melt Index	Tensile Strength at Yield	Tensile Strength at Break	Elongation at Break	Flexual Modulus	Izod Impact Strength	Applications	Caracteristics
	Grade	g/cm <sup>3</sup>	g/10min	kg/cm <sup>2</sup>	kg/cm <sup>2</sup>	%	kg/cm <sup>2</sup>	kg/cm cm		
	ASTM	D1505	D1238	D638	D638	D638	D790	D256		
Pipe Coating	PI500	0.941	0.33	–	280	900	6900	NB	Irrigation Pipe, Water Pipe	Processability, ESCR
	MB509U	0.939	0.35	–	280	900	6800	NB	Pipe Coating	ESCR, Processability
Roto Molding	RG300U	0.93	5.00	–	250	900	5800	NB	Container, Powder Coating	Processability, Stiffness
	RG500U	0.938	5.00	–	250	700	6500	NB	Container, Large Container	Processability, Stiffness
Injection Molding	7200	0.968	5.00	320	170	> 500	13000	5	Bottle Crate, Large Box	Rigidity, Impact Strength
	7210	0.96	5.5	270	100	> 500	9200	9	Bottle Cap, Bottle Crate	Processability, Good Stiffness, Low Warpage, ESCR
	7220	0.96	1.5	300	150	> 500	10500	25	PET Bottle Cap Closure	High Impact Resistance Combined With Good Stiffness, High ESCR And Creep Resistance
	JH910	0.962	8.5	260	100	> 500	12000	8	Crate, Paint Bottle, Spray	Stiffness, Impact Resistance, Processability, Low Warpage
	JK910	0.961	20.0	260	50	220	9200	4	Home Appliances, Large Product	Processability, Rigidity
	JM710	0.950	45.0	230	70	270	8500	2	High Speed Production, Thin Container	Injection Rate
Fiber	MM810	0.954	30	250	–	–	9000		Span Bond	Processability, Adhesive
	MK910	0.956	20.0	255	–	–	9000	6	Co-Extrusion Fiber	Processability, Adhesive
Mono Filament	3300	0.954	0.84	250	–	> 500	9000	–	Band, Fishing Net, Rope, Woven Bags	High Tenacity, Stiffness, Durability
Blow Molding	2500	0.963	0.30	290	–	> 500	12000	NB	Chemical Container	Rigidity, Impact Strength
	2520	0.958	0.35	280	–	> 500	11000	12	Small Bottle(Milk etc.)	Rigidity, Processability, ESCR
	2600S	0.963	0.2	290	–	> 500	12000	NB	Chemical Container	Impact Strength, ESCR, Rigidity
	2800	0.955	0.02/4.5	290	–	> 500	10000	NB	Chemical Container, Large Container	Impact Strength, Creep Strength, ESCR
Pipe	DX800	0.9335	0.64	–	390	800	4600	NB	Heating Pipe, Pipe For Hot & Cold Water Pressure Pipe(Gas,Water Pipe)	Long Term Hydrostatic Strength, Processability, Classified As PE-RT Class
	6100	0.952	–	240	420	–	8500	–		Processability, ESCR, Classified As PE100 Class
	PX600	0.95	6.00	220	–	–	8000	10	Injection, XLPE Compound	Processability, Mpact Strength
Film	8700	0.954	0.075	220	290	> 500	9000	NB	High Speed Production	Extrusion Rate, Heat Seal Strength
	8800	0.956	0.048	230	300	> 500	10000	NB	Industrial, Shopping Bags, Trash Bags	Tearing Strength, Impact Strength
	8810	0.957	0.037	230	300	> 500	10000	NB	Large Blown Film, Industrial, Trash Bags	Bubble Stability, Stiffness, Tearing Strength, Impact Strength

# Homo PP

Properties	Application	Melt Index	Spiral Flow	Softening Point	Tensile Strength at Yield	Elongation at Break	Flexural Modulus	Applications	Characteristics
	Grade	g/10min	g/cm <sup>2</sup>	°C	kg/cm <sup>2</sup>	%	kg/cm <sup>2</sup>		
	ASTM	D1238		D1525	D638	D638	D790		
Injection Molding	H350F	7.0	700	154	380	> 500	15000	Commodity, Home Appliances	High Stiffness
	H360F	12	800	154	380	> 500	16000	Commodity, Home Appliances	High Stiffness
	H380F	25	> 800	156	410	300	19000	Commodity, Compounding, Home Appliances	High Stiffness, High Flow
	H380Y	25	> 800	156	450	200	23000	Disposable Syringes, Transparent Container	High Stiffness, High Flow, High Transparency
	H920Y	2.2	450	156	375	< 300	19000	Bottle Cap	High Stiffness, High Flow, Heat Resistance
Fiber	H870E	14	-	150	360	> 500	14000	Filament(CF)	General Purpose
	H880Z	25	-	150	360	> 500	15000	Staple Fiber	High Flow, Wide MWD
	H893S	33	-	150	310	300	13500	Punbond	High Flow, Narrow MWD
Yarn & Stretched	H715F	1.5	450	152	360	> 500	15000	Sheet, Staple Fiber	High Tenacity, Weatherability
	H720P	2.0	450	152	370	> 500	15000	Container Bag	High Tenacity
	H730F	3.5	510	152	370	> 500	15000	Rope, Sheet, Tapes, Tents, Woven Bags	Processibility, Tenacity
Film	H220P	2	-	155	370	> 500	15000	Clothes Packaging Al-metallized Film	High Transparency
	H230P	3.0	-	155	370	> 500	15000	Clothes Packaging Al-metallized Film	High Transparency

# Impact Random PP

Properties	Application	M.I Density	Spiral Flow	Softening Point	Tensile Strength at Yield	Elongation at Break	Flexural Modulus	Applications	Characteristics
	Grade	g/10min	mm	°C	kg/cm <sup>2</sup>	%	kg/cm <sup>2</sup>		
	ASTM	D1238	SK	D1525	D638	D638	D790		
Injection Molding	B310F	1.5	450	150	270	> 500	12000	Automobile Applications, Battery Case, Home Appliances, Industrial Parts For Electronic	High Impact Strength
	B330F	3.5	550	150	270	> 500	12000		
	B340F	7.0	680	150	270	> 500	12000		
	B350F	9.0	700	150	270	> 500	12000		
	B360F	16	> 800	150	270	> 500	12000	Automobile Applications, Industrial Parts For Electronic, Large Container	High Stiffness, Impact Strength High Flow
	B380G	28	> 800	150	280	< 300	15000		
	B391G	40	> 800	150	270	< 500	13000		
	B393G	60	> 800	150	280	< 500	14000	PET Bottle Cap	Toughness, High Slip, Impact Strength
	B920G	2.5	500	155	320	< 300	16500	Battery Case, Home Appliances, Industrial Parts For Electronic	Stiffness, Heat Resistance, Impact Strength, High Flow
	BX3500	10	800	155	330	300	18000		
BX3800	30	> 800	155	330	< 200	18000			
BX3900	60	> 800	155	330	< 100	18000			
BX3910	80	> 900	155	330	< 100	18000			
BX3920	100	> 950	155	330	< 100	19000	Automobile Applications, Industrial Parts For Electronic, Large Container		
Sheet	B900F	0.5	300	150	320	> 500	14000	Bottle Crate, Sheet, Vacuum Molding	Impact Strength
Injection Molding	R370Y	18	> 800	135	320	> 500	11000	Food Container, Home Appliances, Transparent Container	High Transparency, High Gloss
	RX3700	18	> 800	125	250	> 500	10000	Food Container, Home Appliances, Transparent Container	High Transparency & Impact Strength, High Gloss
	R380Y	29	> 800	135	300	< 500	11000	Home Appliances, Transparent Container	High Transparency, High Gloss
Sheet	R900Y	0.4	400	120	300	> 500	11000	High Transparent Sheet, Vacuum Molding	High Transparency, High Gloss, Impact Strength
	R930Y	4.5	600	130	320	> 500	12000	High Transparent Sheet	High Transparency, High Gloss, Impact Strength
	RX9300	4.5	600	120	270	> 500	11000	High Transparent & Impact Strength Sheet	High Transparency, High Gloss, Impact Strength
Extrusion Coating	R680S	28	-	125	250	> 500	10000	Coating(Food Packaging), lamination(BOPP)	Coating Processability, Adhesive, Heat Resistance
Blow MOLDING	R520F	1.8	500	132	290	> 500	10500	Intravenous Bottle, Transparent Container(IBM,ISBM)	Direct Blow
	R520Y	1.8	500	132	290	> 500	10500	Transparent Container (IBM, High Transparent Sheet)	High Transparency, High Gloss
Film	R140M	6.0	550	120	250	> 500	12000	CPP Co-Extrusion, Retort Pouch	High Transparency, High Gloss, Low Temp Heat Sealing
	R140H	6.0	550	120	250	> 500		Film / CPP Co-Extrusion, Retort Pouch	High Transparency, High Gloss, Low Temp Heat Sealing