

Polyethylene - Blow molding

Grades are listed in order of resin type, then increasing melt index

Trade name	Grade name	Resin type	Melt index (2.16 kg, 190°C) (g/10min)	Density (g/cc)	Typical customer application
CirculenRecover	LR7320R	HDPE	0.25	0.959	Small Part Bottle
Hyperzone	HY55430	HDPE	0.30	0.954	HIC, Personal Care, Enhanced ESCR
Hyperzone	HY55430S	HDPE	0.30	0.954	HIC, Personal Care, Synthetic Antistat
Petrothene	LR734046	HDPE	0.38	0.953	HIC, Core Rod Release for Injection Blow Molding
CirculenRecover	LM6007R	HDPE	0.70	0.96	Liquid Foods
Petrothene	LM600700	HDPE	0.80	0.960+	Liquid Foods
Lupolen	4261 AG UV	HDPE	6.0 (HLMI)	0.945	Industrial Bulk Containers
Petrothene	NA940000	LDPE	0.25	0.918	Squeeze bottles, toys
Petrothene	NA980000	LDPE	0.25	0.920	High melt strength blow mold tubing
Purell	PE 3020D	LDPE	0.30	0.927	BlowFill Seal
Purell	PE 3220D	LDPE	0.40	0.930	BlowFill Seal
Petrothene	NA963083	LDPE	0.70	0.919	General purpose, high impact applications
Purell	PE 1840H	LDPE	1.5	0.919	Blow Fill Seal
Petrothene	NA951000	LDPE	2.2	0.920	Flexible bottles
Petrothene	NA324009	LDPE	3.0	0.931	Flexible containers, squeeze bottles, toys, high gloss overlayer

Polyethylene - Extrusion coating

Grades are listed in order of resin type, then increasing melt index

Trade name	Grade name	Resin type	Melt index (2.16 kg, 190°C) (g/10min)	Base resin density (g/cc)	Typical customer application
Alathon	H6012	HDPE	12	0.960	Dry blend with LDPE
Alathon	H6018	HDPE	18	0.960	Dry blend with LDPE
Petrothene	NA216000	LDPE	3.7	0.923	Flexible packaging, milk cartons and food boards
Petrothene	NA217000	LDPE	5.6	0.923	Flexible packaging, paperboard and industrial papers
Petrothene	NA204000	LDPE	7.0	0.918	General purpose flexible packaging and laminating
Petrothene	NA214000	LDPE	10	0.918	General purpose flexible packaging and laminating
Petrothene	NA219000	LDPE	10	0.923	Flexible packaging, milk cartons and food boards
Petrothene	NA206000	LDPE	13.5	0.918	Flexible packaging, sugar pouches, industrial and multi-wall bags
Petrothene	NA205000	LDPE	16	0.918	Flexible packaging, sugar pouches, industrial and multi-wall bags
Petrothene	GA616050	LLDPE	6.2	0.918	Dry blend with LDPE

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Polyethylene - Film

Grades are listed in order of fabrication process, resin type, then increasing melt index

Fabrication process	Trade name	Grade name	Resin type	Melt index (2.16 kg, 190°C) (g/10min)	Base resin density (g/cc)	Slip (ppm)	Antiblock (ppm)	Typical customer application
Blown Film	Alathon	L5005	HDPE	0.06	0.949	- -	- Antibiock (ppin)	HMW Film
Blown Film	Alathon	L4907	HDPE	0.075	0.949	-	-	HMW Film
Blown Film	Petrothene	LP540200	HDPE	0.17	0.940	-	-	GP MMW Film
Blown Film	Petrothene	LP510300	HDPE	0.33	0.949	-	-	GP MMW Film
Blown Film	Alathon	L5045	HDPE	0.45	0.950	-	-	GP MMW Film
Blown Film	Alathon	L5645	HDPE	0.54	0.959			GP MMW Film
Blown Film	CirculenRecover	L5670R	HDPE	0.70	0.956	-	-	Food
Blown Film	Alathon	L5885	HDPE	0.85	0.958			Barrier Film
Blown Film	Alathon	M6210	HDPE	0.95	0.958	-	-	Barrier Film
Blown Film	CirculenRecover	M6020SBR	HDPE	2.0	0.960	-	-	High Barrier Film
Blown Film	Petrothene	GA2508	LLDPE	0.80	0.925	-	-	Heavy Duty Shipping Sacks
Blown Film	Petrothene	GA1810	LLDPE	1.0	0.918	-	-	General Purpose Blown Film
Blown Film	Petrothene	GA1810T	LLDPE	1.0	0.918	1000	6750	General Purpose Blown Film
Blown Film	CirculenRecover	GA501R	LLDPE	1.0	0.918	-	-	Can Liner / Industrial Film
Blown Film	Petrothene	GA1820	LLDPE	2.0	0.918	-	-	Blown Film and Cast Film
Cast Film	Alathon	L5840	HDPE	0.35	0.958	-	-	Cast Film
Cast Film	Alathon	M6060	HDPE	6.0	0.960	-	-	Cast Film
Cast Film	Alathon	H6012	HDPE	12	0.960	-	-	Cast Film
Cast Film	Alathon	H6018	HDPE	18	0.960	-	-	Cast Film
Cast Film	Petrothene	NA338202	LDPE	6.2	0.923	2800	3100	High clarity, household film and other applications
Cast Film	Petrothene	GA502024	LLDPE	2.0	0.918	-	-	Blown or Cast Film with Robust AO Package
Cast Film	Petrothene	GA1832	LLDPE	3.2	0.918	-	-	Cast Stretch Film
Film Extrusion	Lupolen	2221D	LDPE	0.25	0.922	-	-	Heavy Duty Packaging / Shrink
Film Extrusion	Petrothene	NA303013	LDPE	0.25	0.922	-	-	Heavy Duty Packaging / Shrink
Film Extrusion	Petrothene	NA303212	LDPE	0.25	0.922	-	2000	Heavy Duty Packaging / Shrink
Film Extrusion	Petrothene	NA940000	LDPE	0.25	0.918	-	-	Heavy Duty Packaging / Shrink
Film Extrusion	Petrothene	NA940085	LDPE	0.25	0.918	-	4000	Heavy Duty Packaging / Shrink
Film Extrusion	Petrothene	NA940094	LDPE	0.25	0.918	500	4000	Heavy Duty Packaging / Shrink
Film Extrusion	Petrothene	NA980000	LDPE	0.25	0.920	-	-	Heavy Duty Packaging / Shrink
Film Extrusion	Petrothene	NA983085	LDPE	0.25	0.920	-	4000	Heavy Duty Packaging / Shrink
Film Extrusion	Petrothene	NA963083	LDPE	0.7	0.919	-	4000	Liners
Film Extrusion	Lupolen	2221F	LDPE	0.8	0.922	-	-	Clarity

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Polyethylene - Film

Grades are listed in order of fabrication process, resin type, then increasing melt index

Fine Estrusion	Fabrication process	Trade name	Grade name	Resin type	Melt index (2.16 kg, 190°C) (g/10min)	Base resin density (g/cc)	Slip (ppm)	Antiblock (ppm)	Typical customer application
Filte Estrusion				· · · · · · · · · · · · · · · · · · ·	(0. / (0. /	,,	-	9.1.7	100
File Extrusion	Film Extrusion	Petrothene	NA960183	LDPE	1.0	0.919	-	4000	Liners
File Estrusion Petrothnee MASERS LIPE 1.8 0.921 7.50 1500 Clarity File Estrusion Apertonee 240,450 LIPE 1.8 0.922 7.50 1500 Clarity File Estrusion Apertonee MASZUN LIPE 2.0 0.922 7.50 100 Clarity Film Estrusion Petrothnee MASZUN LIPE 2.0 0.939 7.0 100 Clarity Film Estrusion Petrothnee MASZUN LIPE 2.0 0.919 5.0 400 Lines Film Estrusion Petrothnee MASZUN LIPE 2.0 0.919 5.0 400 Lines Film Estrusion Petrothnee MASZUN LIPE 2.0 0.931 0.0 400 Lines Film Estrusion Petrothnee MASZUN LIPE 3.0 0.931 1.0 600 0.0 100 Film Estrusion Petrothnee MASZUN LIPE 3.0	Film Extrusion	Petrothene	NA271009	LDPE	1.2	0.930	-	-	Film overwrap applications
Film Extrusion Petrollene NA34596 LIPE 18 0.921 750 1500 Clarity Film Extrusion Lupolen 220H LIPE 2.0 0.922 2 3 0.10 ty Film Extrusion Petrahene NA32101 LIPE 2.0 0.932 7.50 1000 Clarity Film Extrusion Petrahene NA32101 LIPE 2.0 0.939 7.0 1.0 Liners Film Extrusion Petrahene NA95004 LIPE 2.0 0.939 50 4000 Liners Film Extrusion Petrahene NA32013 LIPE 2.0 0.939 50 4000 Liners Film Extrusion Petrahene NA32013 LIPE 2.0 0.920 0.920 60 0.0 10 more wap applications Film Extrusion Petrahene NA32044 LIPE 3.0 0.931 1600 6000 Clarity Film Extrusion Petrahene NA3300 LIPE <	Film Extrusion	Petrothene	NA345013	LDPE	1.8	0.921	-	-	Clarity
Film Extrusion Lypolen 22014 LIPE 2.0 9.92 -1 -1 Clarity Film Extrusion Petrothnee M.327103 LIPE 2.0 9.92 -3 -1 Clarity Film Extrusion Petrothnee M.952004 LIPE 2.0 0.919 -3 -3 LIPE Film Extrusion Petrothnee M.952004 LIPE 2.0 0.919 50 400 LIPE Film Extrusion Petrothnee M.952004 LIPE 2.0 0.919 50 400 LIPE Film Extrusion Petrothnee M.952004 LIPE 2.0 0.920 0.931 1-0 1-0 1-0 1-0 Film Extrusion Petrothnee M.932401 LIPE 3.0 0.931 1-0 0.900 Clarity Film Extrusion Petrothnee M.932401 LIPE 3.0 0.931 1-0 0.900 Clarity Film Extrusion Petrothnee M.932501 LIPE	Film Extrusion	Petrothene	NA345184	LDPE	1.8	0.921	-	1500	Clarity
Film Extrusion Petrothene NA321013 LIPE 2.0 0.922 7.50 1000 Clarity Film Extrusion Petrothene NA32210 LIPE 2.0 0.922 7.50 1000 Clarity Film Extrusion Petrothene NA95000 LIPE 2.0 0.919 5.00 4000 Lines Film Extrusion Petrothene NA95000 LIPE 2.2 0.920 2.0 0.00 4000 Lines Film Extrusion Petrothene NA32013 LIPE 3.0 0.931 1600 6000 Ell moverwap applications Film Extrusion Petrothene NA32424 LIPE 3.0 0.931 1600 6000 Clarity Film Extrusion Petrothene NA32424 LIPE 3.0 0.931 1500 6000 Clarity Film Extrusion Petrothene NA32000 LIPE 3.0 0.932 7.0 9.00 Clarity Film Extrusion Petrothene NA23000	Film Extrusion	Petrothene	NA345196	LDPE	1.8	0.921	750	1500	Clarity
Film Extrusion Petrolhene Na32120 LPE 2.0 0.922 75.0 100.0 Clarity Film Extrusion Petrolhene Na52004 LPE 2.0 0.919 2.0 10.0 Lines Film Extrusion Petrolhene Na55004 LPE 2.2 0.920 2.0 0.92 1.0 Lines Film Extrusion Petrolhene Na53003 LPE 2.2 0.920 2.0 0.0 1.00 Lines Illinoverwap applications Film Extrusion Petrolhene Na32404 LPE 3.0 0.931 1600 6000 Clarity Film Extrusion Petrolhene Na32404 LPE 3.0 0.924 1500 6000 Clarity Film Extrusion Petrolhene Na33404 LPE 6.0 0.922 750 900 0.0 Clarity Film Extrusion Petrolhene Na33409 LPE 6.2 0.920 150 400 Mon 100 Mon 100 <td>Film Extrusion</td> <td>Lupolen</td> <td>2220H</td> <td>LDPE</td> <td>2.0</td> <td>0.922</td> <td>-</td> <td>-</td> <td>Clarity</td>	Film Extrusion	Lupolen	2220H	LDPE	2.0	0.922	-	-	Clarity
Film Extrusion Petrothene N852004 LDF 20 0.919 -0 -0 December Liner's Film Extrusion Petrothene N852004 LDF 20 0.919 500 000 December Necember Film Extrusion Petrothene N8324013 LDF 30 0.931 1600 600 Elm coverwap applications Film Extrusion Petrothene N832444 LDF 30 0.931 1600 600 Clarity Film Extrusion Petrothene N832444 LDF 30 0.924 1500 0.90 Clarity Film Extrusion Petrothene N833400 LDF 40 0.924 150 0.90 Clarity Clarity Film Extrusion Petrothene N835003 LDF 62 0.930 1.50 40 Garmet Film Extrusion Petrothene Selec 8050071 LDF 6 0.930 1.50 6500 Blown Film Film Extrusion Pe	Film Extrusion	Petrothene	NA321013	LDPE	2.0	0.922	-	-	Clarity
Film Extrusion Petrothene MSS2094 LIPE 2.0 0.919 500 4000 Lines Film Extrusion Petrothene MSS10000 LIPE 2.2 0.920 3.0 1.0 Lines Film Extrusion Petrothene N324244 LIPE 3.0 0.931 1600 6000 Film coveraga paplications Film Extrusion Petrothene N323244 LIPE 3.0 0.931 1600 6000 Clarity Film Extrusion Petrothene N323244 LIPE 4.0 0.922 7.0 9.0 Clarity Film Extrusion Petrothene N323000 LIPE 6.0 0.919 2.0 5.0 0.0 1.0	Film Extrusion	Petrothene	NA321210	LDPE	2.0	0.922	750	1000	Clarity
File Extrusion Petrothene Na5900 LPE 22 0.920 - O Endemone File Extrusion Petrothene Na5401 LPE 32 0.931 1.00 1.000 1.000 1.000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.00000 1.00000 1.0000 1.00000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.00000 1.0000 1.000000 1.000000 1.000000 1.00000 1.00000 1.00000 1.00000 1.000000 1.00000 1.00000 1.00000 1.00000000	Film Extrusion	Petrothene	NA952000	LDPE	2.0	0.919	-	-	Liners
Film Extrusion Petrothene Na324013 LDF 3.0 9.31 1.0 600 Film cervary applications Film Extrusion Petrothene Na32444 LDF 3.0 9.31 1600 6000 Film cervary applications Film Extrusion Petrothene Na33244 LDF 3.0 0.924 1600 6000 Carry Film Extrusion Petrothene Na33400 LDF 6.0 0.919 2 6 Carry Gament Film Extrusion Petrothene Na33400 LDF 6.2 0.930 1.5 4.00 Gament Film Extrusion Petrothene Na33400 LDF 6.5 0.930 1.5 4.00 Gament Film Extrusion Petrothene Sele 6.906072 LDF 6.5 0.910 1350 6500 Blown Film Film Extrusion Petrothene Sele 6.906072 LDF 0.0 0.918 1.5 7.0 General Purpose Blown Film Film Extrusion Petrothene </td <td>Film Extrusion</td> <td>Petrothene</td> <td>NA952094</td> <td>LDPE</td> <td>2.0</td> <td>0.919</td> <td>500</td> <td>4000</td> <td>Liners</td>	Film Extrusion	Petrothene	NA952094	LDPE	2.0	0.919	500	4000	Liners
Film Extrusion Petrothene NA324244 LDPE 3.0 0.931 1600 6000 Clim cerwary applications Film Extrusion Petrothene NA332444 LDPE 3.0 0.924 1600 6000 Clarity Film Extrusion Lupole 227K LDPE 4.0 0.930 750 900 Clarity Film Extrusion Petrothene NA336000 LDPE 6.0 0.930 -3 -6 Garment Film Extrusion Petrothene NA356030 LDPE 6.5 0.920 1350 4000 Garment Film Extrusion Petrothene NA356031 LDPE 6.5 0.920 1350 4000 Garment Film Extrusion Petrothene 6.0500071 LLDPE 6.6 0.916 9.3 2.0 6500 Blown Film Film Extrusion Petrothene 6.501022 LLDPE 1.0 0.918 3.5 700 General Purpose Blown Film Film Extrusion Petrothene	Film Extrusion	Petrothene	NA951000	LDPE	2.2	0.920	-	-	Liners
Fill Extrusion Petrothene M373244 LPE 3.0 9.924 1600 6000 Clarity Film Extrusion Lupolen 227k LPE 4.0 9.92 750 900 Clarity Film Extrusion Petrothene N334000 LPE 6.0 0.919 - - - Importance Film Certusion - <	Film Extrusion	Petrothene	NA324013	LDPE	3.0	0.931	-	-	Film overwrap applications
Film Extrusion Lupolen 2227K LDPE 4.0 0.922 750 900 Clarity Film Extrusion Petrothene N.334000 LDPE 6.0 0.919 - - - Gament Film Extrusion Petrothene N.236103 LDPE 6.2 0.930 - - Film cytemator Film Extrusion Petrothene Select 809071 LIDPE 6.5 0.920 1.350 6500 Blown Film Film Extrusion Petrothene Select 6900071 LIDPE 6.6 0.916 - 6500 Blown Film Film Extrusion Petrothene Select LIDPE 1.0 0.918 - - 6500 Blown Film Film Extrusion Petrothene 6.850102 LIDPE 1.0 0.918 - - - 6eneral Purpose Blown Film Film Extrusion Petrothene 6.850102 LIDPE 1.0 0.918 9.0 500 General Purpose Blown Film Film Extrusion <th< td=""><td>Film Extrusion</td><td>Petrothene</td><td>NA324244</td><td>LDPE</td><td>3.0</td><td>0.931</td><td>1600</td><td>6000</td><td>Film overwrap applications</td></th<>	Film Extrusion	Petrothene	NA324244	LDPE	3.0	0.931	1600	6000	Film overwrap applications
Film Extrusion Petrothene NA34000 LDPE 6.0 0.919	Film Extrusion	Petrothene	NA373244	LDPE	3.0	0.924	1600	6000	Clarity
Film Extrusion Petrothene NA28503 LDPE 6.2 0.930 Film wormapplications Film Extrusion Petrothene NA36149 LDPE 6.5 0.920 1350 4000 Germent Film Extrusion Petrothene Select 6500071 LLDPE 0.6 0.916 1.350 6500 Blown Film Film Extrusion Petrothene Select 6500072 LLDPE 1.0 0.918 2.0 6500 Blown Film Film Extrusion Petrothene 6500022 LLDPE 1.0 0.918 2.0 7000 General Purpose Blown Film Film Extrusion Petrothene 6501022 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene 6501022 LLDPE 1.0 0.918 350 700 General Purpose Blown Film Film Extrusion Petrothene 6501032 LLDPE 1.0 0.918 350 50 General Purpose Blown Film Film	Film Extrusion	Lupolen	2227K	LDPE	4.0	0.922	750	900	Clarity
Film Extrusion Petrothene Select Sos06071 LLDPE 0.6 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	Film Extrusion	Petrothene	NA334000	LDPE	6.0	0.919	-	-	Garment
Film Extrusion Petrothene Select GS906071 LLDPE 0.6 0.916 1.0 6500 Blown Film Film Extrusion Petrothene Select GS906072 LLDPE 0.6 0.916 1350 6500 Blown Film Film Extrusion Petrothene GA501020 LLDPE 1.0 0.918 2 7000 General Purpose Blown Film Film Extrusion Petrothene GA501021 LLDPE 1.0 0.918 2 7000 General Purpose Blown Film Film Extrusion Petrothene GA501022 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Film Extrusion Petrothene GA501023 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601030 LLDPE 1.0 0.918 3.50 7000 General Purpose Blown Film Film Extrusion Petrothene GA60031 LLDPE 1.0 0.918 3.50 6500 General Purpose Blown Film	Film Extrusion	Petrothene	NA285003	LDPE	6.2	0.930	-	-	Film overwrap applications
Film Extrusion Petrothene Select GS90672 LLDPE 0.6 0.916 1350 6500 Blown Film Film Extrusion Petrothene GA501020 LLDPE 1.0 0.918 - General Purpose Blown Film Film Extrusion Petrothene GA501021 LLDPE 1.0 0.918 - General Purpose Blown Film Film Extrusion Petrothene GA501022 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Film Extrusion Petrothene GA501023 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Film Extrusion Petrothene GA501023 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Film Extrusion Petrothene GA501023 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601031 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601031 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 6500 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 6500 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 7000 Blown or	Film Extrusion	Petrothene	NA336149	LDPE	6.5	0.920	1350	4000	Garment
Film Extrusion Petrothene GA501020 LLDPE 1.0 0.918 - 7000 General Purpose Blown Film Film Extrusion Petrothene GA501021 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA501022 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA501023 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA501023 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA501029 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601030 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601031 LLDPE 1.0 0.918 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 6500 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Film Extrusion Film Film Extrusion Film Film Film Extrusion Film Film Film Film Film Film Film Film	Film Extrusion	Petrothene Select	GS906071	LLDPE	0.6	0.916	-	6500	Blown Film
Film Extrusion Petrothene GA501021 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Film Extrusion Petrothene GA501022 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Catalance Film Extrusion Petrothene GA501023 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Catalance Film Extrusion Petrothene GA501023 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Catalance Film Extrusion Petrothene GA501029 LLDPE 1.0 0.918 1.350 7000 General Purpose Blown Film Catalance Film Extrusion Petrothene GA601030 LLDPE 1.0 0.918 1.5 0.918 1.5 General Purpose Blown Film Catalance Film Extrusion Petrothene GA601031 LLDPE 1.0 0.918 1.350 6500 General Purpose Blown Film Catalance Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 6500 General Purpose Blown Film Catalance Film Extrusion Petrothene GA50202 LLDPE 1.0 0.918 1.350 7000 Blown or Cast Film Catalance Film Extrusion Petrothene GA60319 LLDPE 1.0 0.918 1.350 7000 Blown or Cast Film Catalance Film Extrusion Petrothene GA60319 LLDPE 1.0 0.918 1.350 7000 Blown or Cast Film Catalance Film Extrusion Petrothene GA60319 LLDPE 1.0 0.918 1.350 7000 Blown or Cast Film Catalance Film Extrusion Petrothene GA60319 LLDPE 1.0 0.918 1.350 7000 Blown or Cast Film Catalance Film Extrusion Petrothene GA60319 LLDPE 1.0 0.918 1.350 7000 Blown or Cast Film Catalance Film Extrusion Petrothene GA60319 LLDPE 1.0 0.918 1.0 0.918 1.350 7000 Blown or Cast Film Catalance Film Extrusion Petrothene GA60319 LLDPE 1.0 0.918 1.0 0.918 1.350 7000 Blown or Cast Film Catalance Film Extrusion Petrothene GA60319 LLDPE 1.0 0.918 1.0 0.918 1.350 7000 Blown or Cast Film Catalance Film Extrusion Petrothene GA60319 LLDPE 1.0 0.918 1.0 0.918 1.350 7000 Film Extrusion Petrothene GA60319 Film Extru	Film Extrusion	Petrothene Select	GS906072	LLDPE	0.6	0.916	1350	6500	Blown Film
Film Extrusion Petrothene GA501022 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Catherian Petrothene GA501023 LLDPE 1.0 0.918 900 5500 General Purpose Blown Film Catherian Petrothene GA501023 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Catherian GA501024 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Catherian GA601030 LLDPE 1.0 0.918 1.0 0.918 1.0 General Purpose Blown Film Catherian GA601031 LLDPE 1.0 0.918 1.0 0.918 1.0 General Purpose Blown Film Catherian GA601032 LLDPE 1.0 0.918 1.0 0.918 1.0 General Purpose Blown Film Catherian GA601032 LLDPE 1.0 0.918 1.0 0.918 1.0 General Purpose Blown Film Catherian GA601032 LLDPE 1.0 0.918 1.0 0.918 1.0 General Purpose Blown Film Catherian GA601032 LLDPE 1.0 0.918 1.0 0.	Film Extrusion	Petrothene	GA501020	LLDPE	1.0	0.918	-	-	General Purpose Blown Film
Film Extrusion Petrothene GA501023 LLDPE 1.0 0.918 900 5500 General Purpose Blown Film Film Extrusion Petrothene GA501029 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601030 LLDPE 1.0 0.918 - - 6500 General Purpose Blown Film Film Extrusion Petrothene GA601031 LLDPE 1.0 0.918 - 6500 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1.350 6500 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 6500 General Purpose Blown Film Film Extrusion Petrothene GA620122 LLDPE 2.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA623119 LLDPE 2.0 0.918 1350 1.0 9.	Film Extrusion	Petrothene	GA501021	LLDPE	1.0	0.918	-	7000	General Purpose Blown Film
Film Extrusion Petrothene GA501029 LLDPE 1.0 0.918 1350 7000 General Purpose Blown Film Film Extrusion Petrothene GA601030 LLDPE 1.0 0.918 - - 6500 General Purpose Blown Film Film Extrusion Petrothene GA601031 LLDPE 1.0 0.918 1.50 6500 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 6500 General Purpose Blown Film Film Extrusion Petrothene GA62022 LLDPE 2.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA62319 LLDPE 2.0 0.923 1- 1- High Stiffness Blown or Cast Film	Film Extrusion	Petrothene	GA501022	LLDPE	1.0	0.918	1350	7000	General Purpose Blown Film
Film Extrusion Petrothene GA601030 LLDPE 1.0 0.918 - - 6500 General Purpose Blown Film Film Extrusion Petrothene GA601031 LLDPE 1.0 0.918 - 6500 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 6500 General Purpose Blown Film Film Extrusion Petrothene GA62022 LLDPE 2.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA62319 LLDPE 2.0 0.923 - - - High Stiffness Blown or Cast Film,	Film Extrusion	Petrothene	GA501023	LLDPE	1.0	0.918	900	5500	General Purpose Blown Film
Film Extrusion Petrothene GA601031 LLDPE 1.0 0.918 - 6500 General Purpose Blown Film Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 6500 General Purpose Blown Film Film Extrusion Petrothene GA52022 LLDPE 2.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA62319 LLDPE 2.0 0.923 - - High Stiffness Blown or Cast Film,	Film Extrusion	Petrothene	GA501029	LLDPE	1.0	0.918	1350	7000	General Purpose Blown Film
Film Extrusion Petrothene GA601032 LLDPE 1.0 0.918 1350 6500 General Purpose Blown Film Film Extrusion Petrothene GA502022 LLDPE 2.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA62319 LLDPE 2.0 0.923 - - High Stiffness Blown or Cast Film,	Film Extrusion	Petrothene	GA601030	LLDPE	1.0	0.918	-	-	General Purpose Blown Film
Film Extrusion Petrothene GA502022 LLDPE 2.0 0.918 1350 7000 Blown or Cast Film Film Extrusion Petrothene GA623119 LLDPE 2.0 0.923 - - High Stiffness Blown or Cast Film,	Film Extrusion	Petrothene	GA601031	LLDPE	1.0	0.918	-	6500	General Purpose Blown Film
Film Extrusion Petrothene GA623119 LLDPE 2.0 0.923 - High Stiffness Blown or Cast Film,	Film Extrusion	Petrothene	GA601032	LLDPE	1.0	0.918	1350	6500	General Purpose Blown Film
·	Film Extrusion	Petrothene	GA502022	LLDPE	2.0	0.918	1350	7000	Blown or Cast Film
Film Extrusion Petrothene GA503028 LLDPE 3.5 0.925 800 1300 Blown or Cast Film, Zipper Packaging	Film Extrusion	Petrothene	GA623119	LLDPE	2.0	0.923	-	-	High Stiffness Blown or Cast Film,
	Film Extrusion	Petrothene	GA503028	LLDPE	3.5	0.925	800	1300	Blown or Cast Film, Zipper Packaging

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Polyethylene - Film EVA

Grades are listed in order of increasing %VA

				Melt index (2.16 kg, 190°C)	Base resin density			Antiblock	
Fabrication process	Trade name	Grade name	Resin type	(g/10min)	(g/cc)	% VA	Slip (ppm)	(ppm)	Typical customer application
Film Extrusion, Profile Extrusion	Petrothene	NA426225	EVA	2.5	0.924	2.5	1000	1900	Clarity EVA
Film Extrusion, Profile Extrusion	Petrothene	NA420013	EVA	2.5	0.923	2.5	-	-	Clarity EVA
Film Extrusion	Petrothene	NA340013	EVA	1.0	-	4.0	-	-	Clarity
Film Extrusion	Petrothene	NA490177	EVA	0.3	0.923	4.5	-	6000	Heavy Duty Packaging
Film Extrusion	Petrothene	NA442051	EVA	1.5	-	5.0	500	1000	Clarity EVA
Film Extrusion	Ultrathene	UE672006	EVA	0.5	-	13.5	-	-	Flexible packaging films for food and healthcare, liquid and heavy duty packaging and pallet stretch film

Polyethylene - Injection molding

Grades are listed in order of resin type, then increasing melt index

Trade name	Grade name	Resin type	Melt index (2.16 kg, 190°C) (g/10min)	Base resin density (g/cc)	Typical customer application
Petrothene	NA204000	LDPE	7.0	0.918	Housewares, toys, caps, closures
Petrothene	NA214000	LDPE	10	0.918	Caps, closures
Petrothene	NA860008	LDPE	24	0.921	Caps, closures
Petrothene	NA870252	LDPE	38	0.921	Caps, closures
Petrothene	GA625189	LLDPE	5.0	0.935	Caps & Closures
Petrothene	GA574189	LLDPE	50	0.926	Thin wall, lids
Petrothene	GA684192	LLDPE	100	0.929	Thin wall, lids
Petrothene	GA584189	LLDPE	105	0.929	Thin wall, lids
Petrothene	GA694192	LLDPE	160	0.933	Thin wall, lids

Polyethylene - Sheet and profile extrusion

Grades are listed in order of resin type, then increasing melt index

Trade name	Grade name	Resin type	Melt index (2.16 kg, 190°C) (g/10min)	Base resin density (g/cc)	Typical customer application
Petrothene	LM600700	HDPE	0.8	0.960+	Thick Sheet
Petrothene	GA501020	LLDPE	1.0	0.918	Sheet and Tubing (Small Profile)
Petrothene	GA601030	LLDPE	1.0	0.918	Sheet and Tubing (Small Profile)
Petrothene	GA502024	LLDPE	2.0	0.918	Sheet and Tubing (Small Profile)

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Food and medical



Polyethylene - Plexar

Grades are listed in order of grade name

Fabrication Process	Trade name	Grade name	Resin Type	Status	Melt Index (2.16 kg, 190°C) (g/10min)	Product Density (g/cc)	% VA	Typical Customer Application
Blown Film	Plexar	PX1007	EVA+MAH	C:A	3.1	11% VA	11	Clarity Tie-Layer Resins (EVA)
Blow Molding	Plexar	PX2246	HDPE+MAH	C:A	0.45	0.951	-	HDPE Blow Molding Tie-Layer Resin
Blown Film	Plexar	PX3060	LLDPE+MAH	C:A	2.2	0.924	-	High Performance Tie-Layer Resin
Blown Film	Plexar	PX3184	LLDPE+MAH	C:A	2.1	0.920	-	Extrudable Tie-Layer Resin
Blown Film	Plexar	PX3227	LLDPE+MAH	C:A	1.7	0.913	-	High Performance Tie-Layer Resin
Blown Film	Plexar	PX3236	LLDPE+MAH	C:A	2.0	0.922	-	General Purpose Tie-Layer Resin
Cast Film	Plexar	PX3435	LLDPE+MAH	C:A	4.0	0.923	-	Cast Film Tie-Layer Resin
Blown Film	Plexar	PX3747	LLDPE+MAH	C:A	2.0	0.918	-	High Performance Tie-Layer Resin
Blown Film	Plexar	PX3838	LLDPE+MAH	C:A	1.8	0.910	-	High Performance Tie-Layer Resin for Hot Fill
Extrusion Coating	Plexar	PX5125	LLDPE+MAH	C:A	6.0	0.924	-	High Performance Extrusion Coating Tie-Layer Resin
Pipe	Plexar	PX5335	LLDPE+MAH	C:A	5.7	0.921	-	Multi Layer Pipe Tie-Layer Resin
Thermoforming	Plexar	PX5400	LLDPE+MAH	C:A	3.0	0.933	-	Polystyrene Sheet Extrudable Tie-Layer Resin
Thermoforming	Plexar	PX6002	PP+MAH	C:A	2.7	0.892	-	High Performance Tie-Layer Resin
Blow Molding	Plexar	PX6005	PP+MAH	C:A	5.4	0.892	-	General Purpose Tie-Layer Resin
Blown Film	Plexar	PX6006	PP+MAH	C:A	4.8	0.892	-	High Performance Tie-Layer Resin
Blow Molding	Plexar	PX6008	PP+MAH	C:A	6.5	0.892	-	High Performance Tie-Layer Resin
Extrusion Coating	Plexar	PX9125	LDPE+MAH	C:A	6.1	0.922	-	High Performance Extrusion Coating Tie-Layer Resin

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Polypropylene

Within each section, grades are listed in order of increasing melt flow rate (MFR)

		Melt Flow	Tensile	Flexural	Notched Izod	LIDT (9F)				
	Grade	Rate (g/10min)	Strength (psi)	Modulus (psi) (1% Secant)	Impact (73°F) (ft-lbs/in)	HDT (°F) (66 psi)	UL			
Trade name	name	ASTM D1238	ASTM D638	ASTM D790	ASTM D256	ASTM D648	Listed	Additives	Typical Customer Application	Key properties
Homopolymers										
Adstif	HA802H	2.3	5400	275000	1.0	219	No		Compounding, BOPP, Thermoforming, Sheet, Plastic Lumber	HCPP high stiffness
Pro-fax	HP525J	3.0	5100	218000	0.8	203	No		BOPP Film, Compounding, Thermoforming	Good Processability; High Clarity; High Gloss; Medium Flow
Pro-fax	PH350	3.5	4800	200000	1.0	190	No		Color concentrates, polymer modifier, wood composites	Lightly stabilized flake, compounding, improved mixing and dispersion with pigments and additives
Pro-fax	6523	4.0	4800	200000	1.0	190	Yes	LTHA	Automotive, Sheet, Thermoforming	Enhanced heat stability
Pro-fax	HP423M	8.5	4680	185000	0.9	190	No	S	Cast Film	High clarity
Pro-fax	6301	12	4900	210000	0.6	200	No		Color concentrates, polymer modifier, wood composites	$Lightly \ stabilized \ flake, compounding, improved \ mixing \ and \ dispersion \ with \ pigments \ and \ additives$
Pro-fax	6331	12	4900	210000	0.6	200	Yes		General purpose, Injection Molding	General Purpose
Pro-fax	HP793R	20	5500	250000	0.6	240	Yes	N, A	Appliances, Caps & Closures, Containers and Housewares	Contains Antistat; Fast Cycle (Production); High Stiffness; Nucleated
Pro-fax	PH835	34	n.a.	n.a.	n.a.	n.a.	No		Spunbond and extrusion coating	Low gas fading
Pro-fax	PD702	35	4500	170000	0.6	190	Yes			
Pro-fax	PD702NW	35	4800	200000	0.8	230	Yes	N, A	Rigid packaging	Contains Antistat; Nucleated
Pro-fax	HP659S	35	n.a.	n.a.	n.a.	n.a.	No		Spunbond and extrusion coating, rigid packaging, high stiffness	Low gas fading
Metocene	MF650W	500	4800	230000	n.a.	213	No		Melt blown fiber applications, compounding	Ultra-high MFR flake, improved mixing and dispersion with pigments and additives
Metocene	MF650X	1200	3300	245000	n.a.	248	No		Melt blown fiber applications, compounding	Ultra-high MFR flake, improved mixing and dispersion with pigments and additives
Metocene	MF650Y	1800	2800	245000	n.a.	252	No		Melt blown fiber applications, compounding	Ultra-high MFR flake, improved mixing and dispersion with pigments and additives
Impact Copolyme	ers									
Pro-fax	SV258	1.2	4100	180000	3.9	180	Yes		Corrugated board, profiles, thermoforming	High Impact
Pro-fax	8623	1.5	3400	150000	N.B.	170	Yes	LTHA	Automotive, Sheet, Extrusion	Very high impact, enhanced heat stability
Pro-fax	EP611H	1.8	4100	205000	2.8	187	No		Corrugated board, Sheet Extrusion, Cast Film	Excellent stiffness / impact balance
Pro-fax	EP713H	1.8	4300	220000	4.0	223	No	N	Thermoforming, Retort Containers, Freezer Impact	Excellent stiffness / impact balance
Pro-fax	EP713HA	1.8	4300	220000	4.0	223	No	A, N	Thermoforming, Retort Containers, Freezer Impact	Excellent stiffness / impact balance
Pro-fax	7531	4.0	4100	180000	1.6	180	No		Thermoforming, Retort Containers, Lids	Medium impact
Pro-fax	SC204	4.0	4800	230000	1.8	235	No	N, A	Thermoforming	Medium impact
Pro-fax	EP714K	4.0	4900	230000	1.5	239	No	N	Thermoforming	Good Stiffness; High Heat Resistance
CirculenRecover	EP445PR	17	3400	160000	2.1	189	No	N, A, S	Tubs & Containers and Caps & Closures	Excellent cold temperature impact resistance and stiffness / impact balance
Pro-fax	EP445P	18	3300	170000	3.2	221	No	N, A, S	Industrial pails, rigid packaging	Good stiffness / impact balance
Pro-fax	SG702	18	3000	150000	N.B.	183	Yes		Automotive, Containers, Sports, Leisure, & Toys	Excellent stiffness / impact balance
Pro-fax	EP648R	23	3560	200000	1.8	226	No	N, A	Consumer Products; Rigid packaging	High stiffness, Medium impact
Pro-fax	EP390S	35	2900	130000	2.8	181	Yes		Packaging	High impact, high flow
Pro-fax	SB891	35	3800	180000	1.0	195	No		Automotive	Medium impact

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Polypropylene

Within each section, grades are listed in order of increasing melt flow rate (MFR)

Trade name	Grade name	Melt Flow Rate (g/10min) ASTM D1238	Tensile Strength (psi) ASTM D638	Flexural Modulus (psi) (1% Secant) ASTM D790	Notched Izod Impact (73°F) (ft-Ibs/in) ASTM D256	HDT (°F) (66 psi) ASTM D648	UL Listed	Additives	Typical Customer Application	Key properties
Impact Cop	oolymers									
Pro-fax	SD242	35	4100	210000	0.9	235	Yes	N	Automotive	Medium impact
Pro-fax	SG802N	35	3100	160000	2.3	219	Yes	N	Automotive	High MFR, high stiffness / impact balance
Pro-fax	SV954	35	4000	210000	0.9	235	No	N, A, S	Caps & Closures, Containers	Good mold release / lubricity
Pro-fax	SV956	35	4600	230000	0.8	240	Yes	N, A, S	Caps & Closures, Containers	High mold release / lubricity, high stiffness
Pro-fax	EP348T	50	3100	160000	2.3	219	No	N, A	Containers, thin wall injection molding	High flow, high impact
Pro-fax	EP494T	50	3500	170000	1.7	232	No	N,A,S	Opaque Containers, Sports, Leisure and Toys	High flow, high gloss, good stiffness / impact balance
Pro-fax	EP549U	80	3500	180000	1.7	226	No	N, A	Containers, rigid packaging	High flow, good stiffness / impact balance
Pro-fax	EP545U	80	3500	180000	1.7	226	No	N, S, A	Containers, rigid packaging	High flow, good stiffness / impact balance
Pro-fax	SC973	107	4100	215000	0.6	240	No	N, A, S	Thin wall injection molding	Very high MFR
Pro-fax	SC973Y	107	3800	205000	0.7	243	No	N, A	Thin wall injection molding	Higher impact version of SC973
Random Co	polymers									
Pro-fax	SR257M	2.0	4300	140000	7.0	165	No	C, A	Packaging, Bottles, Clear Containers, Cast Film	Excellent clarity
Pro-fax	RP944H	2.4	5300	230000	1.3	-	No	С	Thermoforming, cups and containers, sheet extrusion	Good clarity
Pro-fax	RP913J	3.5	5300	230000	1.1	228	No	С	Cups and Containers, thermoforming, sheet	High clarity
Pro-fax	RP223L	7.0	3800	130000	1.0	174	No		Bags & Pouches; Breathable Film; Film Wrap; Food Packaging; Heavy Duty Packaging; Hygiene Film; Stationery Film; Twist Wrap Film	Good Heat Seal; Good Optical Properties; Good Processability; Medium Flow
Pro-fax	RP323M	8.0	3600	120000	1.2	167	No		Cast Film	Barefoot
Pro-fax	SR549M	11	4300	150000	1.2	170	No	C, A	ISBM bottles, Injection molded containers	Clarified
Pro-fax	RP548N	11	4000	145000	1.2	180	No	N, A	Caps & Closures, Containers	Low warpage
Pro-fax	RP320N	12	4000	135000	0.9	170	No		Cast film, foam beads, Extrusion Coating	Heat weldability
Pro-fax	RP491S	35	3800	135000	1.1	185	No	N, A	Sharps containers	Moderate clarity
Pro-fax	RP448S	40	4000	145000	0.8	185	No	C, A	Clear containers, Housewares, Sports, Leisure & Toys, Injection stretch blow molding bottles	High flow, clarified

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Food and medical



Catalloy

Within each section, grades are listed in order of fabrication process, then increasing melt flow rate (MFR)

Fabrication Process	Trade name	Grade name	Melt Flow Rate (2.16 kg, 230°C) (g/10min) ISO 1133	Flexural Modulus (MPa) ISO 178	Tensile Stress at Break (MPa) ISO 527	Shore D Hardness (15 seconds) ISO 868	HDT (°C) (0.45 Mpa) ISO 75	VICAT (A50,°C) ISO 306	Charpy Notched Impact Strength (23°C) (kJ/m2) ISO 179	Charpy Notched Impact Strength (-20°C) (kJ/m2) ISO 179	Charpy Notched Impact Strength (-40°C) (kJ/m2) ISO 179	Typical Conversion Process(s)	Typical Customer Application
Blow Molding	Adflex	Q 402 F	0.65	480	21	49	57	108	86	3.2	2.2	Blown Film	Flexible Packaging
Blown Film	Adflex	Q 100 F	0.6	100	10	30	40	60	NB	110	5	Blown Film, Calendaring	Flexible Packaging
Blown Film	Adflex	Q 401 F	0.65	480	21	49	57	108	86	3.2	2.2	Blown Film	Flexible Packaging
Blown Film	Adflex	Q 402 F	0.65	480	21	49	57	108	86	3.2	2.2	Blown Film	Flexible Packaging
Calendaring	Adflex	Q 100 F	0.6	100	10	30	40	60	NB	110	5	Blown Film, Calendaring	Flexible Packaging
Calendaring	Adflex	Q 402 F	0.65	480	21	49	57	108	86	3.2	2.2	Blown Film	Flexible Packaging
Cast Film	Adflex	X 501 F	7.5	550	22	46	58	94	65	45	5	Cast Film, Compounding, Injection Molding	Flexible Packaging
Cast Film	Adflex	X 101 H	8.0	100	10	30	36	55	NB	NB	1.5	Cast Film, Compounding	Flexible Packaging, Bitumen Modification
Cast Film	Adflex	KS 084 P	30	100	13	35	40	53	47	2.8	1.2	Cast Film, Extrusion Coating	Flexible Packaging
Compounding	Adflex	X 501 F	7.5	550	22	46	58	94	65	45	5	Cast Film, Compounding, Injection Molding	Flexible Packaging
Compounding	Adflex	X 101 H	8.0	100	10	30	36	55	NB	NB	1.5	Cast Film, Compounding	Flexible Packaging, Bitumen Modification
Extrusion Coating	Adflex	KS 084 P	30	100	13	35	40	53	47	2.8	1.2	Cast Film, Extrusion Coating	Flexible Packaging
Injection Molding	Adflex	X 501 F	7.5	550	22	46	58	94	65	45	5	Cast Film, Compounding, Injection Molding	Flexible Packaging
Injection Molding	Adflex	X 101 H	8.0	100	10	30	36	55	NB	NB	1.5	Cast Film, Compounding	Flexible Packaging, Bitumen Modification
Injection Molding	Adflex	KS 084 P	30	100	13	35	40	53	47	2.8	1.2	Cast Film, Extrusion Coating	Flexible Packaging
Sheet and Profile Extrusion	Adflex	Q 402 F	0.65	480	21	49	57	108	86	3.2	2.2	Blown Film	Flexible Packaging

Fabrication Process	Trade name	Grade name	Melt Flow Rate (2.16 kg, 230°C) (g/10min) ISO 1133	Flexural Modulus (MPa) ISO 178	SIT (°C) Internal Method	Tm (°C) Internal Method	HDT (°C) (0.45 Mpa) ISO 75	VICAT (A50,°C) ISO 306	Haze (50 µm) ASTM D1003	Gloss (45°, 50 µm) ASTM D2457	Typical Customer Application
BOPP	Adsyl	5 C 30 F	5.5	600	105	132	62	111	0.6	88	Flexible Packaging
BOPP	Adsyl	5 C 37 F	5.5	600	105	132	62	111	1.0	87	Flexible Packaging
BOPP	Adsyl	3 C 30 F HP	5.5	-	112	137	71	122	0.4	91	Flexible Packaging
BOPP	Adsyl	6 C 30 F	5.5	500	95	126	59	107	0.6	92	Flexible Packaging
BOPP	Adsyl	7416 XCP	7.5	600	115	133	65	115	0.5	90	Flexible Packaging
Cast Film	Adsyl	5 C 30 F	5.5	600	105	132	62	111	0.6	88	Flexible Packaging
Cast Film	Adsyl	5 C 37 F	5.5	600	105	132	62	111	1.0	87	Flexible Packaging
Cast Film	Adsyl	6 C 30 F	5.5	500	95	126	59	107	0.6	92	Flexible Packaging
Cast Film	Adsyl	7416 XCP	7.5	600	115	133	65	115	0.5	90	Flexible Packaging

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About us



We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit www.lyb.com or follow @LyondellBasell on LinkedIn.

Abbreviation Information

Appreviation information	
A	Antistat
AB	Antiblock
C	Clarified
EMI	Estimated Melt Index
ESCR	Environmental Stress Crack Resistance
EXT	Extrusion
HIC	Household & Industrial Chemicals
HLMI	High Load Melt Index (21.6 kg)
ISBM	Injection Stretch Blow Molding
LTHA	Long Term Heat Aging
LWCO	Low Water Carry Over
N	Nucleation
n.a.	Not Applicable
N.B.	No Break
PEX	Crosslinked Polyethylene
S	Slip
TBD	To Be Determined
TWIM	Thin-Walled Injection Molding
UVI	Ultra Violet Index
WC	Wire and Cable Additive package

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