

Polypropylenes



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

Grade Name		Melt Flow Rate (g/10min)	Tensile Strength (psi)	Flexural Modulus (psi) (1% Secant)	Notched Izod Impact (73°F) (ft-lbs/in)	HDT (°F) (66 psi)	UL Listed	Additives	Comments
Injection Molding Grades									
Homopolymers									
Pro-fax	6523	4	4800	200000	1.0	190	Yes	LTHA	General purpose
Pro-fax	6323	12	4900	210000	0.6	200	Yes	LTHA	Enhanced heat stability
Pro-fax	6331	12	4900	210000	0.6	200	Yes	----	General purpose
Pro-fax	6329	14	4600	170000	0.7	205	No	----	Improved Impact and Stress Cracking Resistance, Closures
Pro-fax	PF511	20	3900	110000	0.6	171	No	V	Medical, radiation resistant
Pro-fax	PF531	27	3900	120000	0.6	171	No	V	Medical, radiation resistant
Pro-fax	PD702	35	4500	170000	0.6	190	Yes	V	General purpose, Labware
Pro-fax	PD702NW	35	4800	200000	0.8	230	Yes	N, A, V	General purpose
Adstif	HA801U	65	6100	290000	0.3	270	No	N	High MFR, high stiffness, compounding, injection molding
Random Copolymers									
Pro-fax	SR549M	11	4300	160000	1.2	170	No	C, A	General purpose clarified, injection stretch blow molding
Pro-fax	RP548N	11	4000	145000	1.2	180	No	N, A	Low Warpage
Pro-fax	RP491S	35	3800	135000	1.1	185	No	N, A	Moderate clarity
Pro-fax	RP735S	38	3900	145000	1.3	165	No	C, A, S, V	High impact clarified for housewares
Pro-fax	RP448S	40	4000	145000	0.8	185	No	C, A	High flow clarified, injection stretch blow molding
Pro-fax	RP482V	125	4000	145000	0.7	176	No	C, A, V	Very high flow with moderate clarity
Impact Copolymers									
Pro-fax	8623	1.5	3300	150000	N.B.	170	Yes	LTHA	Very high impact
Pro-fax	7523	4	4100	180000	1.6	180	Yes	LTHA	Medium impact, enhanced heat stability
Pro-fax	8523	4	3100	140000	N.B.	165	Yes	LTHA	Very high impact
Pro-fax	SB912	6	4700	220000	1.4	235	No	N, A, S, V	Mini-Heco, good stiffness/toughness, closures
Pro-fax	SB786	8	3700	160000	1.6	175	Yes	LTHA	Medium impact, low blush, automotive batteries
Pro-fax	EP445P	18	3300	170000	3.2	215	No	N, A, S	Industrial pails, rigid packaging, high stiffness / impact balance
Pro-fax	SG702	18	2900	150000	N.B.	180	Yes	----	Superior impact/stiffness balance
Pro-fax	SG722	25	3300	150000	N.B.	210	Yes	N, A, S, V	High flow, high impact, high gloss
Pro-fax	EP390S	35	3000	135000	3.1	175	Yes	V	High impact, high flow, packaging
Pro-fax	SB891	35	3800	180000	1.0	195	Yes	----	General purpose, medium impact, automotive interiors
Pro-fax	SD242	35	4100	210000	0.9	235	Yes	N	Medium impact, thin wall molding, automotive interiors
Pro-fax	SG802N	35	3100	160000	2.6	210	Yes	N, V	High MFR, high stiffness / impact balance
Pro-fax	SG899	35	3100	155000	3.9	210	No	N, V	High impact, automotive interior parts
Pro-fax	SV954	35	4000	210000	0.9	235	No	N, A, S	High mold release / lubricity
Pro-fax	SV956	35	4600	230000	0.8	240	Yes	N, A, S	Closures, thin wall molding, Mini-Heco
Pro-fax	EP348T	50	3100	155000	2.3	210	No	N, A, V	High flow, high impact, thin wall molding
Pro-fax	EP349U	80	3100	155000	2.2	212	No	N, A, V	High flow, packaging and houseware applications
Pro-fax	EP549U	80	3500	180000	1.7	226	No	N, A, V	High flow, good stiffness/impact balance
Pro-fax	SC973	107	4100	215000	0.6	240	No	N, A, S	Very high MFR for thin wall injection molding
Pro-fax	SC973Y	107	3800	205000	0.7	243	No	N, A	Very high MFR, higher impact version of SC973, for thin wall injection molding
Pro-fax	EP644V	135	4100	215000	0.7	244	No	N, S, V	Very high MFR

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Extrusion Grades									
Homopolymers									
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-lbs/in) ASTM D256	HDT (°F) (66 psi) ASTM D648	UL Listed	Additives	Comments
Pro-fax	HP403G	1.5	5000	220000	1.1	189	No	----	Netting, strapping, general extrusion
Adstif	HA802H	2.3	5400	275000	1.0	219	No	----	HCPP high stiffness grade for compounding, BOPP and TF Markets
Pro-fax	6331	12	4900	210000	0.6	200	Yes	----	General purpose
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	V	General purpose, Extrusion Coating
Random Copolymers									
Pro-fax	RP311H	1.9	4050	150000	4.0	178	No	N, A	Non-clarified random for blow molding and thermoforming
Pro-fax	SR257M	1.9	4300	160000	7.0	165	No	C, A	Excellent clarity, blow molding, thermoforming
Pro-fax	RP512H	2.0	4100	150000	7.0	165	No	C, A	Clarified, blow molding, thermoforming
Pro-fax	RP913J	3.5	5300	230000	1.1	228	No	C	Thermoforming, good clarity
Impact Copolymers									
Pro-fax	7823	0.45	4100	180000	N.B.	185	Yes	LTHA	Sheet, thermoforming
Pro-fax	SV258	1.2	4100	180000	3.9	180	Yes	----	Medium impact HECO for corrugated board, profiles, thermoforming
Pro-fax	SV152	1.4	3500	165000	N.B.	195	No	N, LTHA	High impact copolymer, extrusion blow molding, sheet
Pro-fax	8623	1.5	3300	150000	N.B.	170	Yes	LTHA	Very high impact
Pro-fax	EP611H	1.8	4100	205000	2.8	187	No	----	Corrugated board, sheet extrusion
Pro-fax	EP713H	1.8	4300	220000	5.5	223	No	N	Thermoforming, excellent stiffness/impact balance
Pro-fax	7523	4	4100	180000	1.6	180	Yes	LTHA	Medium impact, enhanced heat stability
Pro-fax	7531	4	4000	180000	1.6	180	Yes	----	Medium impact for thermoforming, food packaging
Pro-fax	8523	4	3100	140000	N.B.	165	Yes	LTHA	Very high impact
Pro-fax	SC204	4	4800	230000	1.8	235	No	N, A	Medium impact, sheet, thermoforming
Fiber Grades									
Homopolymers									
Pro-fax	PH835	34	n.a.	n.a.	n.a.	n.a.	No	----	Spunbond and extrusion coating, low gas fading
Metocene	MF650W	500	4800	230000	n.a.	213	No	----	Metocene flake for melt blown fiber applications, compounding, improved mixing and dispersion with pigments and additives
Metocene	MF650X	1200	3300	245000	n.a.	248	No	----	Metocene flake for melt blown fiber applications, compounding, improved mixing and dispersion with pigments and additives
Metocene	MF650Y	1800	2800	245000	n.a.	252	No	----	Metocene flake for melt blown fiber applications, compounding, improved mixing and dispersion with pigments and additives

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Film Grades									
Homopolymers									
<i>Pro-fax</i>	HP423M	8.5	4680	185000	0.9	190	No	S	High clarity cast film grade
<i>Pro-fax</i>	6331	12	4900	210000	0.6	200	Yes	----	General purpose
Random Copolymers									
<i>Pro-fax</i>	SR257M	1.9	4300	160000	7.0	165	No	C, A	Excellent clarity, blow molding, thermoforming
<i>Pro-fax</i>	SA861	6.5	4000	140000	0.9	170	No	S, AB	Cast film, high clarity
<i>Pro-fax</i>	RP323M	8.0	3600	120000	1.2	167	No	----	Barefoot random copolymer for cast film applications
Compounding									
Homopolymers									
<i>Adstif</i>	HA802H	2.3	5400	275000	1.0	219	No	----	HCPP high stiffness grade for compounding, BOPP and TF Markets
<i>Pro-fax</i>	PH350	3.5	4800	200000	1.0	190	No	----	Lightly stabilized flake, compounding, improved mixing and dispersion with pigments and additives
<i>Pro-fax</i>	6301	12	4900	210000	0.6	200	No	----	Lightly stabilized flake, compounding, improved mixing and dispersion with pigments and additives
<i>Adstif</i>	HA801U	65	6100	290000	0.3	270	No	N	High MFR, high stiffness, compounding, injection molding
<i>Metocene</i>	MF650W	500	4800	230000	n.a.	213	No	----	Metocene flake for melt blown fiber applications, compounding, improved mixing and dispersion with pigments and additives
<i>Metocene</i>	MF650X	1200	3300	245000	n.a.	248	No	----	Metocene flake for melt blown fiber applications, compounding, improved mixing and dispersion with pigments and additives
<i>Metocene</i>	MF650Y	1800	2800	245000	n.a.	252	No	----	Metocene flake for melt blown fiber applications, compounding, improved mixing and dispersion with pigments and additives
Impact Copolymers									
<i>Pro-fax</i>	SB786	8	3700	160000	1.6	175	Yes	LTHA	Medium impact, low blush, automotive batteries
<i>Pro-fax</i>	EP390P	18	2900	150000	N.B.	180	No	----	Lightly stabilized pellet for compounding applications
<i>Pro-fax</i>	SG702	18	2900	150000	N.B.	180	Yes	----	Superior impact/stiffness balance
<i>Pro-fax</i>	SG722	25	3300	150000	N.B.	210	Yes	N, A, S, V	High flow, high impact, high gloss
<i>Pro-fax</i>	SB891	35	3800	180000	1.0	195	Yes	----	General purpose, medium impact, automotive interiors
<i>Pro-fax</i>	SD242	35	4100	210000	0.9	235	Yes	N	Medium impact, thin wall molding, automotive interiors
<i>Pro-fax</i>	SG802N	35	3100	160000	2.6	210	Yes	N, V	High MFR, high stiffness / impact balance
<i>Pro-fax</i>	SG899	35	3100	155000	3.9	210	No	N, V	High impact, automotive interior parts
<i>Pro-fax</i>	EP501V	100	3800	190000	0.8	210	No	----	General purpose, lightly stabilized 100MF HECO grade for compounding applications

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Wire & Cable									
Impact Copolymers									
Grade Name	Melt Flow Rate (g/10min)	Tensile Strength (psi)	Flexural Modulus (psi) (1% Secant)	Notched Izod Impact (73°F) (ft-lbs/in)	HDT (°F) (66 psi)	UL Listed	Additives	Comments	
Wire & Cable									
Impact Copolymers									
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-lbs/in) ASTM D256	HDT (°F) (66 psi) ASTM D648	UL Listed	Additives	Comments
Petrothene	PP1510PC	1.3	n.a.	n.a.	n.a.	n.a.	No	WC	Wire and Cable grade
Pro-fax	EP315J	2.6	3200	150000	n.a.	n.a.	No	WC	Wire and Cable grade

Additives Key:

A	Antistat	N	Nucleation
AB	Antiblock	S	Slip
C	Clarified	V	Visbroken
LTHA	Long Term Heat Aging	WC	Cable Additive Package

Test Code Key:

n.a.	not applicable	N.B.	No Break
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For regulatory compliance information see the applicable product's Product Stewardship Bulletin (PSB).

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