



# QUALITY+ PERFORMANCE

POLYMERS PRODUCT BROCHURE  
AMERICAS 2023

A large, abstract graphic element consisting of two overlapping, wavy shapes. The top shape is a vibrant blue, and the bottom shape is a bright orange. They curve across the lower half of the page, creating a sense of movement and energy.

CHEMISTRY THAT MATTERS™

## PRODUCT CATEGORY

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SUPEER™ mPE (METALLOCENE POLYETHYLENE) \*

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (kg/m³) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Blown film	8112	1.1	0.912	Lamination film, freezer bag, liquid pouch, heavy duty bag, industrial liner, agriculture film, stretch hood, surface protective film, silage film	Does not contains slip & antiblock agents
	8112L	1.1	0.912		Contains slip & antiblock agents
	8115	1.1	0.915		Does not contains slip & antiblock agents
	8115L	1.1	0.915		Contains slip & antiblock agents
Cast film	8315	3	0.915	Stretch wrap film, silage film	Does not contains slip & antiblock agents

\* C8 comonomer, bimodal, excellent mechanical properties (dart impact, tear and puncture) and optical properties, excellent sealability and processability, superior organoleptic (less odor/smell, low volatile)

SUPEER™ mPE (METALLOCENE POLYETHYLENE) \*\*

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (g/cm³) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Blown film Extrusion	7118A	1	0.918	Wide range of general purpose and high performance blown film applications	Does not contains anti-block and slip agent, TNPP free
	7118LA	1	0.918		Contains anti-block and slip agent, TNPP free
	7115LA	1	0.915		Contains anti-block and slip agent, TNPP free
	7115LA	1	0.915		Contains anti-block and slip agent, TNPP free.
	7115A	1	0.915		Does not contains anti-block and slip agent, TNPP free
	7158LA	1,5	0.918		Contains anti-block and slip agent, TNPP free
	7158A	1,5	0.918		Does not Contains anti-block and slip agent, TNPP free
Cast film	7358A	3.5	0.918		Does not contains anti-block and slip agent, TNPP free.
	7358TA	3.5	0.918		Does not contains anti-block and slip agent, Contains TNPP
	7458TA	34.5	0.92		Does not contains anti-block and slip agent, TNPP free

\*\* C6, Good tensile and impact strength, puncture resistance and sealing properties. Must not be used in medical/pharmaceutical applications

# COHERE™ POP (POLYOLEFIN PLASTOMER)\*

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (kg/m <sup>3</sup> ) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Blown film	8102	1	0.902	Sealing layer of advanced flexible packaging (meat, cheese, dry foods – cookies, chips, cereal, liquid, stand-up pouch and etc), cling layer in stretch wrap film, adhesive layer in surface protect film	Does not contains slip & antiblock agents
	8102L	1	0.902		Contains slip & antiblock agents
	8170D	1	0.868		Contains anticaking agent
	8185	1	0.885		Does not contains slip & antiblock agents
	S100	1	0.9		Does not contains slip & antiblock agents
	S100L	1	0.903		Contains slip & antiblock agents
Cast film	8380	1	0.88		Does not contains slip & antiblock agents
	8402	3.5	0.902		Does not contains slip & antiblock agents
	8570D	5	0.868		Contains anticaking agent

\* C8 comonomer, exceptional heat sealability (low seal initiation temperature, excellent hot tack strength), excellent optics and toughness, superb organoleptic properties, easy processing.



## FORTIFY™ POE (POLYOLEFIN ELASTOMER)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (kg/cm <sup>3</sup> ) (ASTM D792, 23°C)	Hardness shore A	TYPICAL APPLICATIONS	CHARACTERISTICS
Compounding Foaming Extrusion Casting	C0570	0.5	868	74	Superior impact modification Lower density foaming Footwear Wire and cables Masterbatch impact modification	Low density and high performance copolymer modifier, provides superior impact properties and flow characteristics
	C0570D	0.5	868	74		
	C1055D	1	857	55		
	C1070	1	868	71		
	C1070D	1	868	71		
	C1085	1	885	81		
	C3080	3	880	78	Superior impact modification Lower density foaming Footwear Wire and cables Masterbatch impact modification PV encapsulation	High performance copolymer modifier to provide superior toughness, softness and optical properties. It also provides excellent flow properties
	C5070	5	868	63		Low density and high performance copolymer modifier, provides superior impact properties and flow characteristics
	C5070D	5	868	63		



SABIC® LLDPE (LINEAR LOW DENSITY POLYETHYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (g/cm <sup>3</sup> ) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Blown film	118NJA	1	0.918	Films	Good puncture resistance, high tensile strength, good hot tack properties. TNPP-free, does not contain slip and antiblock additives
	118WJA	1	0.918	Films	Good puncture resistance, high tensile strength, good hot tack properties. TNPP-free, contains slip and antiblock additive
Cast film	218NJA	2	0.918	General-purpose packaging films	Good tensile properties, impact strength and optical properties, does not contain slip and antiblock additives. Must not be used in pharmaceutical/medical applications
	218WJA	2	0.918	General-purpose packaging films	Good tensile properties, impact strength and optical properties, contains slip and antiblock additives. must not be used in pharmaceutical/medical applications
	318BJA	2.8	0.918	Cast film extrusion	excellent optical properties, puncture resistance and tear strength, TNPP free, must not be used in any pharmaceutical/medical applications
Pipe, Gel Membrane & Wire and Cable	318CNJ	2.6	0.918	Wire and cable applications	TNPP free, optimized level of antioxidants, does not contain any slip and antiblock additives, Sufficient antioxidant and Cu-inhibitor should be added to meet specific ageing requirements. For jacketing applications, addition of Carbon Black or UV stabilizer is required.
	324CNJ	3.6	0.924		
Roto-molding	R50035E	5	0.935	Water tank, chemical tank, toy, road barrier, playground, furniture	Excellent grindability, excellent stiffness, good balance between impact strength and ESCR, high UV stabilization
Injection Molding Masterbatch	M200024	20	0.924	Cap and closure (oil bottle, theft-proofing, etc.), houseware, masterbatch, metal coating, carpet backing	High flow ability with high gloss, low temperature toughness, good stress crack resistance
	MG200024	20	0.924	Masterbatch, metal coating, carpet backing	Granules, easy dispersing and mixing with pigments
	M500026	50	0.926	Cap and closure, houseware, masterbatch	Excellent flow ability, high gloss and toughness, good stress crack resistance

## SABIC® LDPE (LOW DENSITY POLYETHYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (kg/m <sup>3</sup> ) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Blown Film	HP0322NN	0.33	0.922	Collation shrink film, greenhouse film, heavy duty bag	Excellent toughness and puncture resistance
	HP0323NN	0.33	0.923	Collation shrink film, greenhouse film, heavy duty bag	Excellent toughness and puncture resistance
	HP0823JN	0.8	0.923	Medium-duty bag, collation shrink film, lamination film, shopping bag, frozen food bag, bread bag	Very good toughness and optical, easy processing, contains slip and antiblock
	HP0823NN	0.8	0.923	Medium-duty bag, collation shrink film, lamination film, shopping bag, frozen food bag, bread bag	Very good toughness and optical, easy processing
	HP2023JN	2	0.923	Thin collation shrink film, lamination film, general purpose film, textile packaging and food bag	Very good processability, optical properties, contains slip and antiblock
	HP2023NN	2	0.923	Thin collation shrink film, lamination film, general purpose film, textile packaging and food bag	Very good processability, optical properties
	HP4024WN	4	0.923	High clarity laundry bag, textile wrapping film, zip-lock bag	Excellent processability, outstanding optical property, good mechanical property, contains slip and antiblock
	HP4024N	4	0.923	General-purpose films	Excellent processability and optical properties, good mechanical properties. contains no slip and no antiblock additives.





## SABIC® HDPE (HIGH DENSITY POLYETHYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/21.6kg)	Density (g/cm <sup>3</sup> ) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Blow Molding	B5403	2.6	0.954	Tight and open head drum	Multimodal Excellent combination of stiffness and ESCR with good impact strength
	B1054	9.5	0.954	Standard and lightweight jerry cans, food contact approval container	Multimodal Very good ESCR and processability, high stiffness, good impact strength
	BM1052	10	0.952	Large containers such as closed head shipping containers, fuel tanks and containers for industrial use	Unimodal Excellent processability and exhibits very high impact strength, stiffness and superior environmental stress crack resistance
	B5428	28	0.954	Containers for consumer goods, detergents, toys	Multimodal Very good ESCR, stiffness and processability
	B5429	29	0.954	Container for household and industrial chemicals	Unimodal Very good processability, ESCR and mechanical properties
	B4660	46	0.961	Dairy products Juice Packaging	Unimodal Designed for imparting high rigidity, toughness and good processability, reducing weight at very good top load strength
Blown Film	FI0750	7.5	0.95	Grocery sacks, shopping bags, refuse bags, thin films for bag on roll	Multimodal Excellent processability, high film strength and rigidity
	F00851	9	0.952	Grocery sacks, shopping bags, refuse bags, thin films for bag on roll	Multimodal Excellent processability, high film strength and rigidity
	F00851A	9	0.952	Blown film	Multimodal Good balance between toughness and stiffness. Good impact properties with low gel level. This product must not be used in any pharmaceutical/medical applications
	F00952	9	0.952	High strength grocery sacks, shopping bags and high quality thin films for multi wall sack liners and replacement for thin paper products	Broad molecular distribution and high density to give excellent extrudability with high film strength and rigidity, contains anti oxidant, readily treated and printed to give high quality graphics
	F04660	46	0.961	Blown film	Broad processing window and high stiffness, good moisture barrier properties, must not be used in any pharmaceutical/medical applications.





## SABIC® HDPE (HIGH DENSITY POLYETHYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (g/cm <sup>3</sup> ) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection Molding	CC027C	0.8	0.953	Carbonated soft drink cap	Multimodal Excellent ESCR, processability and organoleptic properties
	CC027SL	0.8	0.953		Multimodal Contains slip agent, excellent ESCR, high stiffness, processability and organoleptic properties
	M40053S	4	0.953	Cap and closure, crate, pail, pallet, logistic box	Unimodal High stiffness and toughness, good ESCR properties, contains UV stabilizer
	M80064	4	0.964		Unimodal High toughness and rigidity, low warpage
	M80064S	8	0.964		Unimodal High toughness and rigidity, low warpage, contains UV stabilizer
	M200056	20	0.956	Houseware, cap and closure, cup, lamitube shoulder	Unimodal High flow ability, high stiffness
	M300054	30	0.954		Unimodal High flow ability, high stiffness
Pipe Extrusion	P6006AD	6.4	0.959	Pressure pipes for potable water, gas, sewage and other liquids	Multimodal PE 112 (class MRS 11.2 MPa) specially designed for pressure pipe application, exceptional processing performance
	P6006LS	6.4	0.96	Pressure pipes for potable water, gas, sewage. Useful for large-diameter pipes and pressure pipes with low standard dimension ratio(SDR)	Multimodal PE 112, exceptional low sag performance. Low sagging grade, particularly for large diameter pipes
	P6006N	6.2	0.949	Gas, water, sewage pipes and corrugated & spiral pipes	Multimodal PE 4710, excellent stress crack resistance properties (ESCR)
	P6006NA	6.2	0.949		Multimodal Natural, PE4710, and excellent stress crack resistance properties (ESCR)



## SABIC® EVA (Ethylene Vinyl Acetate)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Autoclave	2518DF	2.5	Foaming applications with low temperature resistance and excellent process ability and elastic behavior	Contains 18% ethylene vinyl acetate copolymer resin , good loading properties with many fillers. Contains thermal stabilizer, does not contain any anti-block nor slip agent.



# SABIC® PP HOMOPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
<b>Thermoforming</b>	528K	3	Production of containers mainly for food and health drink products such as cups, trays and lids	High stiffness, good clarity, very good dimensional stability, easy process ability and faster cycling
<b>Raffia Extrusion</b>	500P	3	Tapes and strapping, high tenacity yarns and carpet backing, ropes and twines, woven bags, flexible intermediate bulk containers, geotextiles and concrete reinforcements	High stiffness, combined with a fair impact resistance and very good surface hardness
	506P	4.8	Carpet backing, woven bags, cable fillers, geotextiles and concrete reinforcements	Consistent processability, good processability, very good mechanical properties
<b>Film Extrusion</b>	524P	2	Oriented film extrusion	Very specific molecular structure providing the ultimate properties required for the stretching process
	521P	3		Very specific molecular structure providing the ultimate properties required for the stretching process
	5212P	3	Bi-axially oriented PP (BOPP) film extrusion	Very specific molecular structure providing ultimate properties required for the stenter film process. Easy processability, good thickness control - Superior optical properties -High tensile properties, Film produced can be metalized
	5211P	3.3		
	526P	8	Specially developed for cast film applications for producing clear films	Does not contain slip and antiblock additives. Consistent processability; High gloss and clarity; Good melt strength; Good mechanical properties; Film produced can be metalized
	520L	10	Specially developed for tubular water quenched blown film applications	Suitable dosage of slip and antiblock additives. Consistent processability; High melt strength; Good optical properties; Excellent runability on bagging and sealing machines
<b>Injection Molding</b>	5707N	24	Housewares, thin-walled packaging, caps & closures	Good flow properties, good dimensional stability, high stiffness and good clarity comparing to the regular PP homopolymer grades.

## SABIC® PP HOMOPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Thermoforming	522K	3	In-line and off-line thermoforming applications	High stiffness; Very good clarity and aesthetics; Very good dimensional stability; Easy processability and faster cycling
	5271K	3	In-line and off-line thermoforming applications	Very high stiffness, very good clarity, very high heat distortion temperature, very good dimensional stability, good processability and fast molding cycle.
Fiber Extrusion	5161A	3.5	Specially designed for fiber extrusion applications	Consistent processability; Good thread line stability; Good color consistency; Good gas fading resistance.
	510P	12	This grade is suitable for e.g. wipes and industrial carpets	Anti gas fading stabilisation package
	511A	25	Spun bond and continuous filament spinning resulting in excellent non woven tensile properties	Narrow distributed molecular weight polypropylene resins, with a special developed anti gas fading formulation to minimize discolouration of the fibers
	518A	25	PP homopolymer grade with broad molecular weight distribution intended for fiber extrusion applications	Consistent processability; Good thread line stability; Good gas fading resistance.
	518P	25	PP homopolymer grade with broad molecular weight distribution intended for fiber extrusion applications	Consistent processability; Good thread line stability; Good gas fading resistance.
	519A	35	Very fine filament titre resulting in an excellent balance of mechanical properties and softness	Optimized formula to efficiency, especially for fiber production, consistent high speed and low non wovens weights at reduced temperatures, very narrow molecular weight distribution and is compatible with all existing spun bond machine technologies producing different non woven compositions. special developed anti gas fading formulation to minimize discoloration of the fibers
Woven sacks lamination injection molding	512A	25	General purpose applications such as woven sacks lamination and injection molding	Consistent processability; Good thread line stability; Good color consistency; Good gas fading resistance
Fiber Extrusion	514M14	40	Meltblown nonwoven applications	Controllable viscosity, SABIC PP 514M14 allows for a melt flow as high as 1400 g/10min with a narrow molecular weight distribution, using typical processing conditions



## SABIC® PP HOMOPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection Molding	561P	2.5	Building block to develop new foaming solution	Ultra melt strength resin, melt strength of more than 65 cN and outstanding foam-ability, unprecedented level of light weighting, non stabilized
	5001P	3	Woven sacks, woven fabric, monofilament, box strap, rope & straw	PP homopolymer resin for yarn extrusion. The yarn made from this resin exhibits excellent mechanical properties & low water carryover, this product is not intended for use in medical and pharmaceutical applications
	86MF97	4,6	Automotive exterior applications	Optimum combination of stiffness, impact resistance and flow, highly UV-stabilized, and therefore commonly used for exterior applications such as car bumpers
	570P	8	Rigid injection molded articles for general purpose applications	Consistent processability, good mechanicals and high gloss in the products.
	575P	11		Consistent processability and high gloss in the products
	5703P	12		
	PCGH19	19	Healthcare applications such as caps and closures, 3-part syringes and other thin walled parts	Healthcare, high product quality, consistency and a high level of purity, narrow molecular weight distribution, complies with EP and USPVI, may not be used for medical healthcare devices or materials intended for temporary or permanent implementation in the human body
	5780P	25	Injection molding applications that require good flow properties, low COF and good gloss	Homopolymer grade with narrow molecular weight distribution and formulated with slip agent
	579S	47	Thin-walled injection molding articles and it gives low warpage tendency	Formulated with antistatic and nucleating agents, high stiffness and outstanding flow properties for excellent part filling
	595A	47	Specially developed for use in automotive compounding	High flow properties and high stiffness, enabling high production rates. It is formulated with a dedicated automotive additive package



## SABIC® PP HOMOPOLYMER POLYPROPYLENE

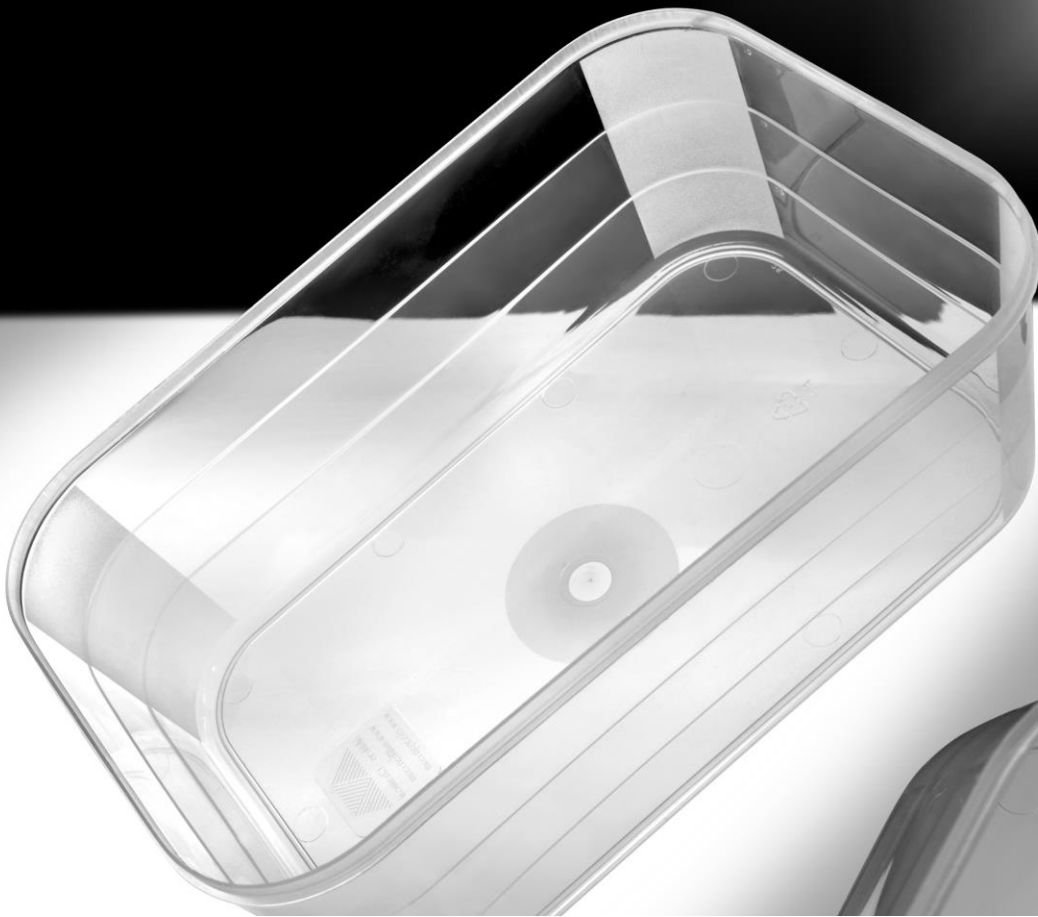
PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Cast Film	520P	10,5	Food packaging, lamination film, stationary film, textile packaging, flower packaging, and hygiene packaging.	Excellent properties for twist film application, not tested and therefore not validated for use in pharmaceutical/ medical applications, used for extrusion of cast film, both mono layer films and co extruded films. It provides an excellent combination of transparency, stiffness and high heat resistance.
Injection Molding	571P	5,7	Sanitary, closures with and without integral hinges	High gloss and good surface hardness,
	576S	19	Caps & closures and thin wall packaging both in food and non-food segments	Good flow properties, very good demolding properties and a narrow molecular weight distribution, low warpage and a high gloss, high stiffness in combination with moderate impact strength at room temperature, not validated for use in pharmaceutical/ medical applications
	576P	19		Good flow properties and a narrow molecular weight distribution, low warpage and a high gloss, high stiffness in combination with moderate impact strength at room temperature, not validated for use in pharmaceutical/ medical applications.
	FPH50	50	Thin wall packing applications both for food and non-food segments	High crystallisation temperature, excellent flow behavior in combination with a high stiffness, very cost efficient processing on the basis of easy mold filling, very short cycle times and robust processing behavior in combination with pigments. It has a very good anti-static performance and shows easy demoulding, The grade has excellent heat deflection temperature making it particularly be used for hot fill applications.





## SABIC® PP RANDOM COPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238, 230°C/2.16k g)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	VESTOLEN P9421	0.3	High demanding pressure pipes	Heat stabilized, extraction resistance, used for the manufacturing of cold and hot water pipes and fittings for transport of drinking water. Not validated for use in pharmaceutical/medical applications
	QR6701K	10	Specially developed for producing injection molded & ISBM articles with very high clarity at low processing temperatures	Clarifier and anti-static agents. Consistent processability; Good stiffness; Excellent clarity; Lower energy consumption due to low processing temperatures
	QR6731K	25	Specially developed for producing injection molded & ISBM articles with very high clarity at low processing temperatures	Clarifier and anti-static agents. Consistent processability; Good stiffness; Excellent clarity; Lower energy consumption due to low processing temperatures
	QR6711K	45	Specially developed for producing injection molded & ISBM articles with very high clarity at low processing temperatures	Clarifier and anti-static agents. Consistent processability; Good stiffness; Excellent clarity; Lower energy consumption due to low processing temperatures
	QR6771K	70	Specially developed for producing injection molded & ISBM articles with very high clarity at low processing temperatures	Phthalate free high melt flow clarified polypropylene random copolymer grade for injection molding applications. Excellent clarity & surface gloss. It contains antistatic agent





## SABIC® PP IMPACT COPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	56M65	7	Injection molded articles	Good resistance to long term heat exposure. Contains high heat stabilizer additive and has good heat aging resistance. Good impact - stiffness balance.
	57MNK10	12		Controlled rheology PP grade. Excellent impact resistance even at low temperature and balanced stiffness
	57MNK40	12		Controlled rheology PP grade, excellent impact resistance (even at low temperature) and balanced stiffness.
	48MK40	16		Contains nucleating and antistatic agents. Medium flow properties, good impact resistance even at low temperature and balanced stiffness
	49MK45	21		Contains nucleating & antistatic agents. Medium flow properties and excellent impact - stiffness balance
	310MK10	24,5		Nucleated polypropylene impact copolymer, exhibit balanced impact and stiffness.
	310MK40	26		Nucleated polypropylene impact copolymer, exhibit balanced impact and stiffness, it contains anti-static agent.
	511MK46	30		Contains nucleating and antistatic agents. Medium-high flow and excellent organoleptic properties. Excellent top load strength and down gauging; excellent isotropic shrinkage (dimensional stability); high crystallization temperature and excellent flow behavior; low / no odor and taste
	412MK49	45		Contains nucleating and antistatic agents. High flow properties and excellent impact – stiffness balance
	513MN40	70		Controlled rheology, high fluidity. Contains antistatic agent. This grade has a good impact resistance even at low temperature.



## SABIC® PP IMPACT COPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	46MNK45	6	Suitable for both injection and compression molding of beverage closures	Phthalate free PP impact copolymer. Very good processability, good stiffness and impact resistance. This is a nucleated grade with slip and antistatic agent.
	36MK10	5,5	Injection molded articles	Nucleated polypropylene impact copolymer, exhibit balanced impact and stiffness.
	37MK10	9		Impact copolymer polypropylene resin, typically exhibits good impact, high stiffness and good heat stability. This product is formulated with nucleating agent
	312MK10	39		Nucleated polypropylene impact copolymer, exhibit balanced impact and stiffness.
	312MK40	39		High flow, nucleated polypropylene impact copolymer, exhibit balanced impact and stiffness, It contains anti-static agent.
	FPC75	70		Top-load applications with a very high stiffness - impact balance
	I703C	70	Compounds for automotive interior & exteriors	High flow PP impact copolymer
	FPC105	100	Thin walled injection molding and auto-compounding	Exceptional flow-ability, good impact-stiffness balance, superior organoleptic properties, and fast crystallization



SABIC® PP COMPOUND (MINERAL OR SHORT GLASS FIBER REINFORCED POLYPROPYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Flame retardant Injection molding	H1030	8	Developed for E&E and automotive injection molded applications	High flow, halogen free flame retardant PP homopolymer with 30% glass fiber. UL 94 V-0 rated, combines a good performance profile with good processing and FR characteristics
	H1025	9		High flow, halogen free flame retardant PP homopolymer with 25% glass fiber. UL 94 V-0 rated, combines a good performance profile with good processing and FR characteristics
	H1015	15		High flow, halogen free flame retardant PP homopolymer with 15% glass fiber. UL 94 V-0 rated, combines a good performance profile with good processing and FR characteristics
	H1200	13	Injection molded applications	High impact, halogen free flame retardant, non-filled Polypropylene compounds. It has a UL94 V0@ 2mm flame rating. Combines a good performance profile with good processing and FR characteristics
Injection molding	8500C	10	Automotive exterior applications	Elastomer-modified 17% talc-filled polypropylene TPO, low density and excellent stiffness impact balance
	7451B	20		Elastomer-modified, 12% talc-filled polypropylene TPO, combining good performance profile with good processing
	8620A	21		20% mineral filled, impact modified polypropylene TPO, good flow, high stiffness, and cold temperature ductility
	8620	23		20% mineral filled, impact modified polypropylene TPO, scratch resistance and good flow, high stiffness and cold temperature ductility
	8520U	25		Elastomer-modified, 20% mineral filled polypropylene TPO, good balance of processing and excellent performance profile, UV stabilized and suited for unpainted exterior application
	8611A	34		13% talc-filled, impact modified polypropylene TPO, low density, good flow, high stiffness, and cold temperature ductility
	8611P	37		Elastomer-modified, 13% talc-filled polypropylene TPO, good stiffness, excellent impact performance with good processing and surface aesthetics, UV stabilized and is suitable for painted applications

SABIC® PP COMPOUND (MINERAL OR SHORT GLASS FIBER REINFORCED POLYPROPYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238,  230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	CX03B81	10	Aesthetic automotive interior parts	High crystalline copolymer, high impact resistance in perfect balance with high thermal dimensional stability, stiffness and flow. Has excellent aesthetic properties, alternative to conventional talc-filled copolymers (weight saving)
	9712	14	Automotive interior applications	20% talc-filled, impact modified polypropylene TPO, high impact resistance, scratch resistance, and heat stability with interior automotive UV stability, ductility at temperatures as low as -30 degrees
	CX0281	15	Aesthetic automotive interior parts	High crystalline copolymer, with high stiffness in balance with high thermal dimensional stability, impact resistance and flow. Has excellent aesthetic properties conventional talc-filled copolymers (weight saving)
	3720E	18	Non-aesthetic automotive interior parts	21% talc-filled polypropylene, excellent stiffness and impact ratio with a low emission and fogging behavior
	9120	21	Aesthetic automotive interior parts	Elastomer-modified, 15% talc-filled polypropylene TPO with excellent impact and stiffness ratio, very high scratch resistance, no stickiness and a high flow
	G3240A	11	Under-the-hood and structural applications	40% short glass fiber reinforced PP homopolymer
	G3230A	12		30% short glass fiber reinforced PP homopolymer. Designed to combine a good performance profile with fast processing
	G3230AE	12		30% short glass fiber reinforced polypropylene, low emission values, combines good performance profile with fast processing.
	G3220A	17		20% short glass fiber reinforced PP homopolymer. Combines a good performance profile with fast processing

SABIC® PP COMPOUND (MINERAL OR SHORT GLASS FIBER REINFORCED POLYPROPYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	G3135X	1.2	Air inlet manifolds	35% short glass fiber reinforced PP. High stiffness, high impact, high heat resistance and chemical resistance.
	G3225UX	3	Pool filter housings	25% short glass fiber reinforced polypropylene, excellent resistance to UV, combines good performance profile with good processing.
	55T1040	3	General purpose injection molding applications	40% talc filled polypropylene copolymer, heat stabilized. This compound exhibits very high impact and high rigidity
	55T1030	4	Specially suited for applications that require an exceptional stiffness combined with a high impact resistance (even at low temperatures) like dashboard carriers and other dashboard components that are exposed to high temperatures	30% talc-filled polypropylene copolymer, heat stabilized
	S3625	6	Automotive interior applications	25% short glass fiber reinforced polypropylene copolymer compound, UV stabilized, combines a matt surface, good sound dampening and excellent scratch resistance with soft-touch haptics.
	15T1030	6	Under-the-hood such as heating, ventilation and air conditioning housings	30% talc-filled polypropylene homopolymer, high modulus and good thermal stabilization
	15T1020	7	Under-the-hood such as heating, ventilation and air conditioning housings	20% talc-filled polypropylene homopolymer, heat stabilized
	31T1010	11	General purpose injection molding applications	10% talc-filled polypropylene copolymer
	G3230X	12	Under-the-hood and structural applications	30% short glass fiber reinforced PP homopolymer, ultra high heat resistance
	37T1020	13	Specially developed for automotive interior parts such as column cladding and door panels	High flow copolymer with 20% talc, offering an excellent balance between stiffness and impact resistance
	19T1020	18	General purpose injection molding applications	20% talc filled, heat stabilized homopolymer polypropylene compound with high flow
	19T1040	18	Injection molded applications requiring a very high modulus and high thermal stability	40% talc-filled polypropylene homopolymer, heat stabilized
	19T1030	19	General purpose injection molding applications	30% talc filled, heat stabilized homopolymer polypropylene compound with high flow

# STAMAX™ RESIN - LONG GLASS FIBER REINFORCED POLYPROPYLENE

PROCESS	GRADE	E-Modulus MPa 1mm/min	HDT 1,8 MPa	Charpy impact kJ/m2 Unnotched	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	30YH515	7600	155	45	Specially developed for electrical & electronic injection molded applications	High flow, halogen free flame retardant, copolymer reinforced with 30% long glass fiber. Designed to combine a good performance profile with good processing
	30YH530	7200	165	46	Developed for E&E and automotive injection molded applications	High flow, halogen free flame retardant, copolymer with 30% long glass fiber. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength
	20YM240	4600	156	40	Interior and under-the-hood applications such as tailgates, front-end modules and door structures	20% long glass fiber reinforced grade. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength
	30YM240	6600	158	60		30% long glass fiber reinforced grade. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength
	30YM243	6600	158	60		30% long glass fiber reinforced UV stabilized grade. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength
	40YM240	8200	158	55		40% long glass fiber reinforced grade. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength
	40YM243	8200	158	55		40% long glass fiber reinforced UV stabilized grade. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength

## STAMAX™ RESIN -LONG GLASS FIBER REINFORCED POLYPROPYLENE

PROCESS	GRADE	E-Modulus MPa 1mm/min	HDT 1,8 MPa	Charpy impact kJ/m <sup>2</sup> Unnotched	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	20YK270	4500	156	45	Automotive interior injection molded applications such as IP	20% long glass fiber reinforced grade with improved impact and flow properties. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength
	30YK270	6200	158	60		30% long glass fiber reinforced grade with improved impact and flow properties. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength
	60YM240	N/A	N/A	N/A	Specially developed for dilution with SABIC® PP copolymer	60% long glass fiber reinforced concentrate and specially developed for dilution with SABIC® PP homopolymer. The glass fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength
	60YM241	N/A	N/A	N/A		High heat resistant 60% long glass fiber reinforced concentrate and developed for dilution with SABIC® PP homopolymer. The glass fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength
	60YK270	N/A	N/A	N/A		60% long glass fiber reinforced concentrate. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength



## SABIC® BR (POLYBUTADIENE RUBBER)

PROCESS	GRADE	MV ML (1+4) @ 100°C	CIS content (%)	Volatiles	TYPICAL APPLICATIONS	CHARACTERISTICS
Extrusion Molding Calendering	4010	40	>96%	<0,5%	Tire tread, sidewall and carcass conveyor belt coverings, shoe sole, hoses and tube covers, mechanical and sporting goods	Good abrasion resistance, excellent flex cracking resilience, good low temperature properties, low cold flow property, excellent filler dispersion and shorter mixing cycles, low die-swell and good dimensional control
	4610	46	>96%	<0,5%		Excellent abrasion resistance, excellent flex cracking resistance, excellent resilience, good low temperature properties, low rolling resistance
	5510	55	>96%	<0,5%		Excellent abrasion resistance, excellent flex cracking resistance, excellent resilience, good low temperature properties, low rolling resistance

## SABIC® EPDM (ETHYLENE PROPYLENE DIENE RUBBER)

PROCESS	GRADE	MV ML (1+4) @ 125°C	ENB%	Ethylene content (%)	TYPICAL APPLICATIONS	CHARACTERISTICS
Molding	245	25	4.5	50	Brake parts, molded foam sheets, precision seals, electrical connectors, gaskets, and hose mandrels, shoe sole	Fast cure rate and high cure state with good low temperature flexibility and compression set properties
Calendering	626	67	2.8	69	Sheets, water management liners, and roof membranes, shoe sole	Good calenderability, mixing, tensile strength, compression set, and flexibility
Extrusion Molding	657	60	5	73	Extruded profiles, Automotive weatherseals, gaskets and seals, low voltage wires and cables insulation, TPV	Excellent processability; mixing, mill handling, tensile strength, tear strength, compression set, and flexibility
	756	72	5	69	Auto coolant/air hose, building profiles, industrial hoses, weather seals, wire & cable, TPV	Exhibits smooth and fast extrusion with tensile strength, compression set, and flexibility
	855	82	5	55	Automotive weatherseals, auto coolant / air hoses, industrial gaskets and O rings for pipes / hoses, and washing machine gasket, TPV	Fast mixing, extrusion, molding, and cure rate with good compression set properties at low and high temperature





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