QUALITY+ PERFORMANCE

POLYMERS PRODUCT BROCHURE
AMERICAS 2022

CHEMISTRY THAT MATTERS™

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	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)
	8112L	1.1	0.912		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), contains slip & antiblock agents
	8115	1.1	0.915		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)
	8115L	1.1	0.915		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), contains slip & antiblock agents
Cast film	8315	3	0.915	Stretch wrap film, silage film	C8 comonomer, bimodal, excellent processability and organoleptic (less odor/smell, low volatile), excellent mechanical and optical properties

SUPEER™ mPE (METALLOCENE POLYETHYLENE) GCGV

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (kg/m³) (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	Good tensile and impact strength, puncture resistance and sealing properties. SUPEER™ 7118A is TNPP free. This product must not be used in any pharmaceutical/medical applications.
	7118LA	1	0.918	Wide range of general purpose and high performance blown film applications	Good tensile and impact strength, puncture resistance and sealing properties. The resin contains anti-block and slip agent. SUPEER™ 7118LA is TNPP free. This product must not be used in any pharmaceutical/medical applications.
	7158A	1.5	0.918	Wide range of general purpose and high performance blown film applications	Good tensile and impact strength, puncture resistance and sealing properties. SUPEER™ 7158A is TNPP free. This product must not be used in any pharmaceutical/medical applications.
	7158LA	1.5	0.918	Wide range of general purpose and high performance blown film applications	Good tensile and impact strength, puncture resistance and sealing properties. The resin contains anti-block and slip agent. SUPEER™ 7158LA is TNPP free. This product must not be used in any pharmaceutical/medical applications.
Cast film	7358A	3.5	0.918	Wide range of general purpose and high performance cast film applications	Good impact strength, puncture resistance, sealing and optical properties. SUPEER™ 7358A is TNPP free. This product must not be used in any pharmaceutical/medical applications.
	7358TA	3.5	0.918	Wide range of general purpose and high performance cast film applications	Good impact strength, puncture resistance, sealing and optical properties. This product must not be used in any pharmaceutical/medical applications.

COHERE™ POP (POLYOLEFIN PLASTOMER)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (kg/m³) (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	C8 comonomer, exceptional heat sealability (low seal initiation temperature, excellent hot tack strength), excellent optics and toughness, superb organoleptic properties, easy processing
	8102L	1	0.902		C8 comonomer, exceptional heat sealability (low seal initiation temperature, excellent hot tack strength), excellent optics and toughness, superb organoleptic properties, easy processing, contains slip & antiblock agents
	8170D	1	0.868		C8 comonomer, exceptional heat sealability (low seal initiation temperature, excellent hot tack strength), excellent optics and toughness, superb organoleptic properties, easy processing, contains anticaking agent
	8185	1	0.885		C8 comonomer, exceptional heat sealability (low seal initiation temperature, excellent hot tack strength), excellent optics and toughness, superb organoleptic properties, easy processing
Cast film	8380	1	0.88		C8 comonomer, exceptional heat sealability (low seal initiation temperature, excellent hot tack strength), excellent optics and toughness, superb organoleptic properties, easy processing
	8402	3.5	0.902		
	8570D	5	0.868		C8 comonomer, exceptional heat sealability (low seal initiation temperature, excellent hot tack strength), excellent optics and toughness, superb organoleptic properties, easy processing, contains anticaking agent
Blown film	S100	1	0.9		C8 comonomer, exceptional heat sealability (low seal initiation temperature, excellent hot tack strength), excellent optics and toughness, superb organoleptic properties, easy processing
	S100L	1	0.903		C8 comonomer, exceptional heat sealability (low seal initiation temperature, excellent hot tack strength), excellent optics and toughness, superb organoleptic properties, easy processing, contains slip & antiblock agents

FORTIFY™ POE (POLYOLEFIN ELASTOMER)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Hardness shore A	TYPICAL APPLICATIONS	CHARACTERISTICS
Compounding Foaming Extrusion Casting	C05075DF	0.5	74	foam application	Low density and high performance copolymer modifier, provides superior resilience and compression set properties
	C0570	0.5	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	74		
	C1055D	1	55		
	C1070	1	71		
	C1070D	1	71		
	C1085	1	81		
	C11075DF	1	71	foam application	Low density and high performance copolymer modifier, provides superior resilience and compression set properties
	C13060	13	63	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
	C13060D	13	63		
	C13075DP	13	74		Low density and high performance copolymer modifier, provides excellent electrical properties, high transmittance and weathering resistance
	C30070D	30	68		High performance copolymer modifier to provide superior toughness, softness and optical properties. It also provides excellent flow properties
	C3080	3	78		
	C5070	5	63		Low density and high performance copolymer modifier, provides superior impact properties and flow characteristics
	C5070D	5	63		
	C5075DP	5	75		Low density and high performance copolymer, provides excellent electrical properties, high transmittance and weathering resistance

LLDPE (LINEAR LOW DENSITY POLYETHYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (kg/m³) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Wire & Cable	318CNJ	2.8	0.918	1-step or 2-step silane crosslinking low voltage power cable insulation	Excellent cable extrusion processability and crosslinking properties
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 and good stress crack resistance
	M500026	50	0.926	Cap and closure, houseware, masterbatch	Excellent flow ability, high gloss and toughness, good stress crack resistance
	MG200024	20	0.924	Masterbatch, metal coating, carpet backing	Granules, easy dispersing and mixing with pigments
Pipe	P438J	0.4	0.938	Cylindrical and tape drip irrigation pipes	Excellent processability with a high level of consistency, exceptional mechanical properties and stress crack resistance
Roto-molding	R50035E	5	0.935	Water tank, chemical tank, toy, road barrier, playground, furniture	Excellent grindability, excellent stiffness and good balance between impact strength and ESCR, high UV stabilization

LLDPE (LINEAR LOW DENSITY POLYETHYLENE) GCGV

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (kg/m³) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Extrusion	118NJA	1	0.918	Films	Good puncture resistance, high tensile strength and good hot tack properties. TNPP-free and does not contain slip and antiblock additives
	118WJA	1	0.918	Films	Good puncture resistance, high tensile strength and good hot tack properties. TNPP-free. The resin contains slip and antiblock additive
	218NJA	2	0.918	General-purpose packaging films	Good tensile properties, impact strength and optical properties. 218NJA contains no slip and no antiblock additives. This product must not be used in pharmaceutical/medical applications
	218WJA	2	0.918	General-purpose packaging films	Good tensile properties, impact strength and optical properties. 218WJA contains slip and antiblock additives. This product must not be used in pharmaceutical/medical applications
	318BJA	2.8	0.918	Cast film extrusion	excellent optical properties, puncture resistance and tear strength. SABIC® LLDPE 318BJA is TNPP free. This product must not be used in any pharmaceutical/medical applications

LDPE (LOW DENSITY 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	**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

HDPE (HIGH DENSITY POLYETHYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/21.0kg)	Density (kg/m^3) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Blow Molding	B1054	9.5	0.954	Designed for standard and lightweight jerry cans, food contact approval container	Multimodal Very good ESCR, processability and high stiffness with good impact strength
	B4660	46	0.961	Suitable for Dairy products and Juice Packaging	Unimodal Designed for imparting high rigidity, toughness and good processability, reducing weight at very good top load strength
	B5403	2.6	0.954	Tight and open head drum	Multimodal Excellent combination of stiffness and ESCR with good impact strength
	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
	BM1052J	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
Compression molding/Injection molding	CC027C	0.8	0.953	Carbonated soft drink cap	Multimodal Excellent ESCR, processability and organoleptic properties
	CC027SL	0.8	0.953	Carbonated soft drink cap	Multimodal Contains slip， excellent ESCR, high stiffness, processability and organoleptic properties
Blown Film	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
	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

HDPE (HIGH DENSITY POLYETHYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/2.16kg)	Density (kg/m³) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection Molding	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
	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
Pipe Extrusion	P6006	6.2	0.959	Gas, water, sewage pipes and corrugated & spiral pipes	Multimodal PE 100, pressure pipe and excellent stress crack resistance properties (ESCR)
	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. It delivers 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, delivers 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, and excellent stress crack resistance properties (ESCR)
	P6006NA	6.2	0.949		Multimodal Natural, designed to be PE4710, and excellent stress crack resistance properties (ESCR)

HDPE (HIGH DENSITY POLYETHYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/min) (ISO1133, 190°C/5.0kg)	Density (kg/m³) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Extrusion	Vestolen 5924R	0.2	0.959	hick walled (large diameter and low SDR) pipes.	Multimodal High density and a bimodal distribution of the molecular mass. Meets (inter)national standards for use in gas, drinking water and waste water piping.

HOMOPOLYMER POLYPROPYLENE

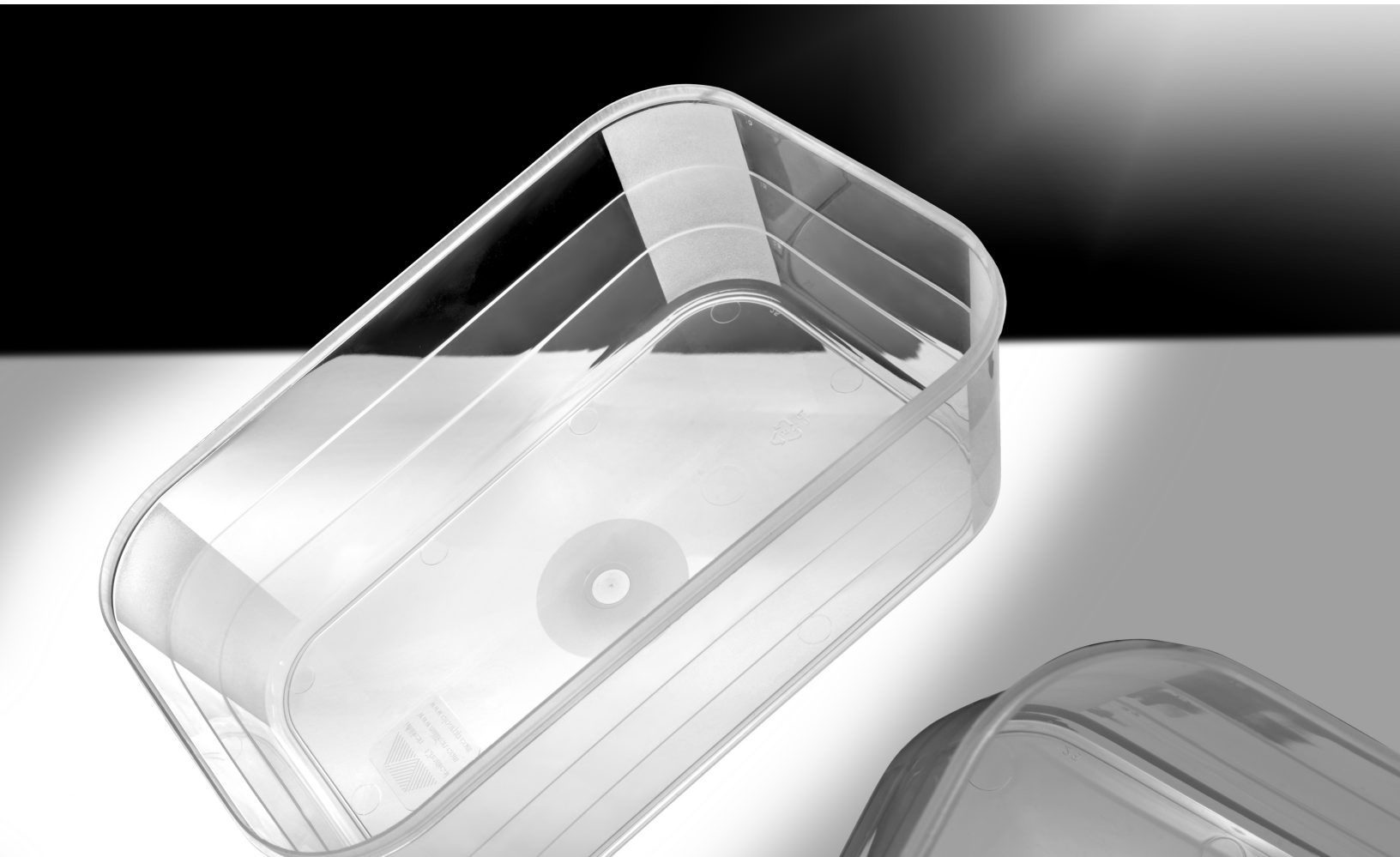
PROCESS	GRADE	MELT INDEX (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Thermoforming	528K	3	Production of containers mainly for food and health drink products such as cups, trays and lids	High stiffness, good clarity, very good dimensional stability, easy process ability and faster cycling
Raffia Extrusion	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
Injection Molding	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.
Film Extrusion	524P	2	Oriented film extrusion	Very specific molecular structure providing the ultimate properties required for the stretching process
	521P	3	Oriented film extrusion	Very specific molecular structure providing the ultimate properties required for the stretching process
	5211P	3.3	Bi-axially oriented PP (BOPP) film extrusion	Very specific molecular structure providing ultimate properties required for the stenter film process. Includes: easy processability, good thickness control - Superior optical properties -High tensile properties, Film produced can be metalized
	5212P	3	Bi-axially oriented PP (BOPP) film extrusion	Very specific molecular structure providing ultimate properties required for the stenter film process. Includes: easy processability, good thickness control - Superior optical properties -High tensile 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
	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

HOMOPOLYMER POLYPROPYLENE

Fiber Extrusion	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 minimise discolouration of the fibers
	519A	35	Very fine filament titre resulting in an excellent balance of mechanical properties and softness	Optimised formula to efficiency, especially for fibre production characterised by consistent high speed and low non wovens weights at reduced temperatures, has a very narrow molecular weight distribution and is compatible with all existing spun bond machine technologies producing different non woven compositions. Additionally has a special developed anti gas fading formulation to minimise discolouration of the fibers
	5161A	3.5	Specially designed for fiber extrusion applications	Consistent processability; Good thread line stability; Good color consistency; Good gas fading resistance.
	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.
	510P	12	This grade is suitable for e.g. wipes and industrial carpets	Anti gas fading stabilisation package
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
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.
Injection Molding	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		
	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

RANDOM COPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT INDEX (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	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
	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
	VESTOLEN P 9421	0.3	High demanding pressure pipes	Heat stabilised, 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
	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



IMPACT COPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT INDEX (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	412MK49	45	Injection molded articles	Contains nucleating and antistatic agents. High flow properties and excellent impact – stiffness balance
	49MK45	21		Contains nucleating & antistatic agents. Medium flow properties and excellent impact - stiffness balance
	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
	513MN40	70		Controlled rheology, high fluidity. Contains antistatic agent. This grade has a good impact resistance even at low temperature.
	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.
	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. Contains nucleating & antistatic agents. 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
	412MK49	45		Contains nucleating and antistatic agents. High flow properties and excellent impact – stiffness balance.
	FPC75	70	Top-load applications with a very high stiffness - impact balance	Phthalate free grade, nucleated, with good organoleptic and antistatic properties

PP COMPOUND (MINERAL OR SHORT GLASS FIBER REINFORCED POLYPROPYLENE)

PROCESS	GRADE	MELT INDEX (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	15T1020	7	injection molded applications requiring a very high modulus and high thermal stability	20% talc-filled polypropylene homopolymer, heat stabilized
	19T1040	18		40% talc-filled polypropylene homopolymer, heat stabilized
	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
	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	PP copolymer with 30% talcum
	G3135X	1.2	Typical application of this material would include air inlet manifolds	35% short glass fiber reinforced PP. High stiffness, high impact, high heat resistance and chemical resistance. Glass fibres chemically coupled to the PP matrix
	G3220A	17	Under-the-hood and structural applications	20% short glass fiber reinforced PP homopolymer. Glass fibres are chemically coupled to the PP matrix. Combines a good performance profile with fast processing
	G3230A	12	Under-the-hood and structural applications	30% short glass fiber reinforced PP homopolymer. Glass fibres chemically coupled to the PP matrix. Designed to combine a good performance profile with fast processing
	G3230X	12		30% short glass fiber reinforced PP homopolymer. Glass fibres chemically coupled to the PP matrix. Grade presents ultra high heat resistance
	G3240A	11		40% short glass fiber reinforced PP homopolymer. Glass fibres are chemically coupled to the PP matrix
	H1015	15	Developed for E&E and automotive injection molded applications	High flow, halogen free flame retardant PP homopolymer with 15% glass fiber. UL 94 V-0 rated, this material has been designed to combine 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, this material has been designed to combine a good performance profile with good processing and FR characteristics
	H1030	8		High flow, halogen free flame retardant PP homopolymer with 30% glass fiber. UL 94 V-0 rated, this material has been designed to combine a good performance profile with good processing and FR characteristics

STAMAX™ 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 redardant, 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 redardant, copolymer with 30% long glass fiber. The glass fibres 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 fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength
	30YM240	6600	158	60	Interior and under the bonnet applications such as tailgates, front-end modules and door structures	30% long glass fiber reinforced grade. The glass fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength
	30YM243	6600	158	60	Interior and under the bonnet applications such as tailgates, front-end modules, door structures and external applications	30% long glass fiber reinforced UV stabilised grade. The glass fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength
	40YM240	8200	158	55	Interior and under the bonnet applications such as tailgates, front-end modules and door structures	40% long glass fiber reinforced grade. The glass fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength
	40YM243	8200	158	55	Interior and under the bonnet applications such as tailgates, front-end modules, door structures and external applications	40% long glass fiber reinforced UV stabilised grade. The glass fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength
	60YK270	N/A	N/A	N/A	Specially developed for dilution with SABIC® PP copolymer	60% long glass fiber reinforced concentrate. The glass fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength
	60YM240	N/A	N/A	N/A	Interior and under the bonnet applications such as tailgates, front-end modules and door structures	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 specially developed for dilution with SABIC® PP homopolymer. The glass fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength

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

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
Calendaring	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

DATA IN TABLES ARE TYPICAL VALUES AND SHOULD NOT BE CONSTRUED AS SPECIFICATION LIMITS

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