

# POLYOLEFIN POLYMERS

PRODUCT CATALOGUE  
AMERICAS 2026

## PRODUCT CATEGORY

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SABIC Polymers



## SABIC SUPEER™ mPE (METALLOCENE POLYETHYLENE) \*

PROCESS	GRADE	MELT FLOW RATE (g/10 min) (ISO1133, 190°C/2.16kg)	DENSITY (g/cm³) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Blown film extrusion	7115A	1.0	0.915	Wide range of general purpose and high performance film applications	<ul style="list-style-type: none"> <li>No anti-block &amp; slip agent</li> <li>TNPP-free</li> </ul>
	7115VA	1.0	0.915		<ul style="list-style-type: none"> <li>No anti-block &amp; slip agent</li> <li>No intentionally added PFAS process aid</li> <li>TNPP-free</li> </ul>
	7115LA	1.0	0.915		<ul style="list-style-type: none"> <li>Contains anti-block &amp; slip agent</li> <li>TNPP-free</li> </ul>
	7118A	1.0	0.918		<ul style="list-style-type: none"> <li>No anti-block &amp; slip agent</li> <li>TNPP-free</li> </ul>
	7118VA	1.0	0.918		<ul style="list-style-type: none"> <li>No anti-block &amp; slip agent</li> <li>No intentionally added PFAS process aid</li> <li>TNPP-free</li> </ul>
	7118LA	1.0	0.918		<ul style="list-style-type: none"> <li>Contains anti-block &amp; slip agent</li> <li>TNPP-free</li> </ul>
	7118LVA	1.0	0.918		<ul style="list-style-type: none"> <li>Contains anti-block &amp; slip agent</li> <li>No intentionally added PFAS process aid</li> <li>TNPP-free</li> </ul>
	7158A	1.5	0.918		<ul style="list-style-type: none"> <li>No anti-block &amp; slip agent</li> <li>TNPP-free</li> </ul>
	7158LA	1.5	0.918		<ul style="list-style-type: none"> <li>Contains anti-block &amp; slip agent</li> <li>TNPP-free</li> </ul>
Cast film	7358A	3.5	0.918		<ul style="list-style-type: none"> <li>No anti-block and slip agent</li> <li>TNPP-free</li> </ul>
	7358TA	3.5	0.918		<ul style="list-style-type: none"> <li>No anti-block and slip agent</li> <li>Contains TNPP</li> </ul>
	7458A	4.5	0.918		<ul style="list-style-type: none"> <li>No anti-block and slip agent</li> <li>TNPP-free</li> </ul>

\* Hexene copolymer. Must not be used in medical/pharmaceutical applications.

## SABIC LLDPE (BUTENE LINEAR LOW DENSITY POLYETHYLENE) \*\*

PROCESS	GRADE	MELT FLOW RATE (g/10min) (ISO1133, 190°C/2.16kg)	DENSITY (g/cm³) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Blown film	118NJA	1.0	0.918	Films	<ul style="list-style-type: none"> <li>No anti-block &amp; slip agent</li> <li>TNPP-free</li> <li>Good puncture resistance, high tensile strength, good hot tack properties</li> </ul>
	118WJA	1.0	0.918	Films	<ul style="list-style-type: none"> <li>Contains anti-block &amp; slip agent</li> <li>TNPP-free</li> <li>Good puncture resistance, high tensile strength, good hot tack properties</li> </ul>
Cast film	218NJA	2.0	0.918	General-purpose packaging films	<ul style="list-style-type: none"> <li>No anti-block &amp; slip agent</li> <li>TNPP-free</li> <li>Good tensile properties, impact strength and optical properties</li> </ul>
	218WJA	2.0	0.918	General-purpose packaging films	<ul style="list-style-type: none"> <li>Contains anti-block &amp; slip agent</li> <li>TNPP-free</li> <li>Good tensile properties, impact strength and optical properties</li> </ul>
	318BJA	2.8	0.918	Cast film extrusion	<ul style="list-style-type: none"> <li>No anti-block &amp; slip agent</li> <li>TNPP-free</li> <li>Excellent optical properties, puncture resistance and tear strength</li> </ul>

\*\* Must not be used in medical/pharmaceutical applications.

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SABIC LLDPE (LINEAR LOW DENSITY POLYETHYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/10 min) <small>(ISO1133, 190°C/2.16g)</small>	DENSITY (g/cm³) <small>(ASTM D1505, 23°C)</small>	TYPICAL APPLICATIONS	CHARACTERISTICS
Blown film	118NJ	1.0	0.918	Films	<ul style="list-style-type: none"><li>• No anti-block &amp; slip agent</li><li>• TNPP-free</li><li>• Good puncture resistance, high tensile strength, good hot tack properties</li></ul>
	118WJ	1.0	0.918	Films	<ul style="list-style-type: none"><li>• Contains anti-block &amp; slip agent</li><li>• TNPP-free</li><li>• Good puncture resistance, high tensile strength, good hot tack properties</li></ul>
	P438J	0.4	0.938	Films	<ul style="list-style-type: none"><li>• No anti-block &amp; slip agent</li><li>• TNPP-free</li><li>• Combines toughness, stiffness, and melt strength with excellent processability</li></ul>
Cast film	218BJ	2.0	0.918	General-purpose packaging films	<ul style="list-style-type: none"><li>• No anti-block &amp; slip agent</li><li>• TNPP-free</li><li>• Good tensile properties, impact strength and optical properties</li></ul>
	218WJ	2.0	0.918	General-purpose packaging films	<ul style="list-style-type: none"><li>• Contains anti-block &amp; slip agent</li><li>• TNPP-free</li><li>• Good tensile properties, impact strength and optical properties</li></ul>
	318BJ	2.8	0.918	Cast film extrusion	<ul style="list-style-type: none"><li>• No anti-block &amp; slip agent</li><li>• TNPP-free</li><li>• Excellent optical properties, puncture resistance and tear strength</li></ul>
Rotomolding	R50035E	5.0	0.935	Water tank, chemical tank, toy, road barrier, playground, furniture	<ul style="list-style-type: none"><li>• Excellent grindability and stiffness</li><li>• Good balance between impact strength and ESCR</li><li>• High UV stabilization</li></ul>
Injection molding Masterbatch	M200024	20	0.924	Cap and closure (oil bottle, theft-proofing, etc.), houseware, masterbatch, metal coating, carpet backing	<ul style="list-style-type: none"><li>• High flowability</li><li>• High gloss</li><li>• Low temperature toughness</li><li>• Good stress crack resistance</li></ul>
	MG200024	20	0.924	Masterbatch, metal coating, carpet backing	<ul style="list-style-type: none"><li>• Granules</li><li>• Easy dispersing and mixing with pigments</li></ul>
	M500026	50	0.926	Cap and closure, houseware, masterbatch	<ul style="list-style-type: none"><li>• Excellent flowability</li><li>• High gloss and toughness</li><li>• Good stress crack resistance</li></ul>



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SABIC LDPE (LOW DENSITY POLYETHYLENE)

PROCESS	GRADE	MELT FLOW RATE (g/10 min) <small>(ISO1133, 190°C/2.16kg)</small>	DENSITY (g/cm³) <small>(ASTM D1505, 23°C)</small>	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
	HP2022JN	0.8	0.923	Medium-duty bag, collation shrink film, lamination film, shopping bag, frozen food bag, bread bag, general purpose packaging	• Very good processability • Good optical and mechanical properties • Contains anti-block & slip agent
	HP2023JN	2.0	0.923	Thin collation shrink film, lamination film, general purpose film, textile packaging and food bag	• Very good processability • Good optical and mechanical properties • Contains anti-block & slip agent
	HP2023NN	2.0	0.923	Thin collation shrink film, lamination film, general purpose film, textile packaging and food bag	• Very good processability • Excellent optical properties
	HP4024WN	4.0	0.923	High clarity laundry bag, textile wrapping film, zip-lock bag	• Excellent processability • Outstanding optical property • Good mechanical property • Contains anti-block & slip agent
Extrusion Coating / Lamination	2404EC	3.5	0.924	Liquid packaging, food packaging, release liners, and building & construction	• Designed for high and low speed extrusion coating/lamination • No anti-block & slip agent
	2005EC	5.0	0.920	Liquid packaging, food packaging, building & construction, and extrusion coating/lamination on a variety of substrates	• Designed for high and low speed extrusion coating/lamination • No anti-block & slip agent
	7019EC	7.0	0.919	Extrusion coating on paper, aluminum foil, woven fabric, and aseptic packaging	• Designed for high speed extrusion coating/lamination • No anti-block & slip agent





## SABIC COHERE™ (POLYOLEFIN PLASTOMER) \*

PROCESS	GRADE	MELT FLOW RATE (g/10 min) (ISO1133, 190°C/2.16kg)	DENSITY (g/cm³) (ASTM D1505, 23°C)	TYPICAL APPLICATIONS	CHARACTERISTICS
Blown film	8102	1.0	0.902	Sealing layer of advanced flexible packaging (meat, cheese, dry foods – cookies, chips, cereal, liquid, stand-up pouch and etc.)	• No anti-block & slip agent
	8102L	1.0	0.902		• Contains anti-block & slip agent
Cast film	8402	3.5	0.902	Adhesive layer in surface protect film	• No anti-block & slip agent

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

## SABIC FORTIFY™ (POLYOLEFIN ELASTOMER)

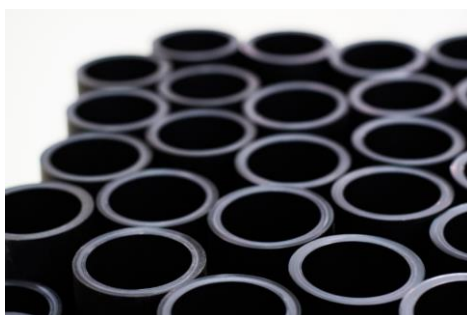
PROCESS	GRADE	MELT FLOW RATE (g/10 min) (ISO1133, 190°C/2.16kg)	DENSITY (g/cm³) (ASTM D1505, 23°C)	HARDNESS SHORE A	TYPICAL APPLICATIONS	CHARACTERISTICS
Compounding  Foaming  Extrusion	C0560D	0.5	0.863	74	Masterbatch impact modification  Lower density foaming  Footwear  Wire and cables  High performance sealant layer for flexible packaging  Stretch Wrap Cling Layer	<ul style="list-style-type: none"> <li>• Low density and high performance copolymer modifier</li> <li>• Provides excellent impact properties and flow characteristics</li> <li>• Octene copolymer</li> </ul>
	C0570T	0.5	0.868	74		
	C0570D	0.5	0.868	74		
	C1055T	1.0	0.857	55		
	C1055D	1.0	0.857	55		<ul style="list-style-type: none"> <li>• High performance copolymer modifier to provide exceptional toughness, softness and optical properties</li> <li>• Excellent flow properties</li> <li>• Octene copolymer</li> </ul>
	C1070T	1.0	0.868	71		
	C1070D	1.0	0.868	71		<ul style="list-style-type: none"> <li>• Low density and high performance copolymer modifier</li> <li>• Exceptional impact properties and flow characteristics</li> <li>• Octene copolymer</li> </ul>
	C1085	1.0	0.885	81		
	C3080	3.0	0.880	78		
	C5070T	5.0	0.868	63		
Photovoltaics	C5075DP	5.0	0.868	75	Photovoltaic encapsulation	<ul style="list-style-type: none"> <li>• Low density and high performance copolymer</li> <li>• Excellent electrical properties, high transmittance, and weathering resistance</li> <li>• Octene copolymer</li> </ul>
	C13075DP	13.0	0.873	74		
Compounding  Foaming  Extrusion	B1060T	1.2	0.863	54	Impact modification  Footwear	<ul style="list-style-type: none"> <li>• Low density and high performance copolymer modifier</li> <li>• Exceptional impact properties and flow characteristics</li> <li>• Butene copolymer</li> </ul>
	B5060T	5.0	0.865	64		

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## 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	BM1052J	10	0.952	Large containers such as closed head shipping containers, fuel tanks and containers for industrial use	<ul style="list-style-type: none"> <li>• Unimodal</li> <li>• Excellent processability</li> <li>• Exhibits very high impact strength, stiffness and outstanding environmental stress crack resistance (ESCR)</li> </ul>
	B5429	29	0.954	Container for household and industrial chemicals	<ul style="list-style-type: none"> <li>• Unimodal</li> <li>• Very good processability, ESCR and mechanical properties</li> </ul>
Blown film	FI0750	7.5	0.95	Grocery sacks, shopping bags, refuse bags, thin films for bag on roll	<ul style="list-style-type: none"> <li>• Multimodal</li> <li>• Excellent processability</li> <li>• High film strength and rigidity</li> </ul>
	FJ00952	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	<ul style="list-style-type: none"> <li>• Broad molecular distribution and high density to give excellent extrudability with high film strength and rigidity</li> <li>• Contains anti-oxidant</li> <li>• Readily treated and printed to give high quality graphics</li> </ul>
Injection molding	CC027C	0.8	0.953	Carbonated soft drink cap	<ul style="list-style-type: none"> <li>• Multimodal</li> <li>• Excellent ESCR, processability and organoleptic properties</li> </ul>
	CC027SL	0.8	0.953		<ul style="list-style-type: none"> <li>• Multimodal</li> <li>• Contains slip agent</li> <li>• Excellent ESCR, high stiffness, processability and organoleptic properties</li> </ul>
	M80064	4	0.964	Cap and closure, crate, pail, pallet, logistic box	<ul style="list-style-type: none"> <li>• Unimodal</li> <li>• High toughness and rigidity</li> <li>• Low warpage</li> </ul>
	M80064S	8	0.964		<ul style="list-style-type: none"> <li>• Unimodal</li> <li>• High toughness and rigidity</li> <li>• Low warpage</li> <li>• Contains UV stabilizer</li> </ul>
	M200056	20	0.956	Houseware, cap and closure, cup, lamitube shoulder	<ul style="list-style-type: none"> <li>• Unimodal</li> <li>• High flow ability</li> <li>• High stiffness</li> </ul>
Pipe extrusion	P6006AD	6.4	0.959	Pressure pipes for potable water, gas, sewage and other liquids	<ul style="list-style-type: none"> <li>• Multimodal</li> <li>• PE 112 (class MRS 11.2 MPa) specially designed for pressure pipe application, exceptional processing performance</li> </ul>
	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)	<ul style="list-style-type: none"> <li>• Multimodal</li> <li>• PE 112</li> <li>• Exceptional low sag performance</li> <li>• Low sagging grade, particularly for large diameter pipes</li> </ul>
	P6006N	6.2	0.949	Gas, water, sewage pipes and corrugated & spiral pipes	<ul style="list-style-type: none"> <li>• Multimodal</li> <li>• Natural</li> <li>• PE4710</li> <li>• Excellent stress crack resistance properties (ESCR)</li> </ul>
	P6006NA	6.2	0.949		<ul style="list-style-type: none"> <li>• Multimodal</li> <li>• Natural</li> <li>• PE4710</li> <li>• Excellent stress crack resistance properties (ESCR)</li> </ul>



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SABIC EVA (Ethylene Vinyl Acetate)

PROCESS	GRADE	MELT FLOW RATE (g/min)  (ISO1133, 190°C/21.6kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Autoclave	2518DF	2.5	Foaming applications with low temperature resistance and excellent processability and elastic behavior	<ul style="list-style-type: none"><li>• Contains 18% ethylene vinyl acetate copolymer resin</li><li>• Contains thermal stabilizer</li><li>• No anti-block &amp; slip agent</li></ul>





## SABIC HOMOPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min) <small>(ASTM D 1238, 230°C/2.16kg)</small>	TYPICAL APPLICATIONS	CHARACTERISTICS
Thermoforming	528K	3	Production of containers mainly for food and health drink products such as cups, trays and lids	<ul style="list-style-type: none"> <li>• High stiffness</li> <li>• Good clarity</li> <li>• Very good dimensional stability</li> <li>• Easy process ability and faster cycling</li> </ul>
	522K	3	In-line and off-line thermoforming applications	<ul style="list-style-type: none"> <li>• High stiffness</li> <li>• Very good clarity and aesthetics</li> <li>• Very good dimensional stability</li> <li>• Easy processability and faster cycling</li> </ul>
	5271K	3	In-line and off-line thermoforming applications	<ul style="list-style-type: none"> <li>• Very high stiffness</li> <li>• Very good clarity</li> <li>• Very high heat distortion temperature</li> <li>• Very good dimensional stability</li> <li>• Good processability and fast molding cycle</li> </ul>
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	<ul style="list-style-type: none"> <li>• Excellent stretch ability</li> <li>• High tenacity</li> <li>• Unique balance between transparency, impact resistance and thickness uniformity</li> </ul>
	5001P	3	Woven sacks, woven fabric, monofilament, box strap, rope & straw	<ul style="list-style-type: none"> <li>• Excellent mechanical properties</li> <li>• Low water carryover</li> </ul>
	506P	4.8	Carpet backing, woven bags, cable fillers, geotextiles and concrete reinforcements	<ul style="list-style-type: none"> <li>• Consistent processability</li> <li>• Very good mechanical properties</li> </ul>
	5061P	4	Carpet backing, woven bags, cable fillers, geotextiles and concrete reinforcements	<ul style="list-style-type: none"> <li>• Consistent processability</li> <li>• Very good mechanical properties</li> </ul>



## SABIC HOMOPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min) <small>(ASTM D 1238, 230°C/2.16kg)</small>	TYPICAL APPLICATIONS	CHARACTERISTICS
Film extrusion	521P	3	Bi-axially oriented PP (BOPP) film extrusion	<ul style="list-style-type: none"> <li>• Very specific molecular structure</li> <li>• Ultimate properties required for the stretching process</li> <li>• Film produced can be metallized</li> </ul>
	5231P	3		
	5212P	3		<ul style="list-style-type: none"> <li>• Very specific molecular structure</li> <li>• Ultimate properties required for the stretching process</li> <li>• Easy processability</li> <li>• Good thickness control</li> <li>• Excellent optical properties</li> <li>• High tensile properties</li> <li>• Film produced can be metallized</li> </ul>
	5211P	3.3		
	526P	8	Specially developed for cast film applications for producing clear films	<ul style="list-style-type: none"> <li>• No anti-block &amp; slip agent</li> <li>• Consistent processability</li> <li>• High gloss and clarity</li> <li>• Good melt strength</li> <li>• Good mechanical properties</li> <li>• Film produced can be metallized</li> </ul>
	5261N	8	Specially developed for tubular water quenched blown film applications	<ul style="list-style-type: none"> <li>• No anti-block &amp; slip agent</li> <li>• High stiffness</li> <li>• Consistent processability</li> <li>• Good gloss and clarity</li> <li>• Good melt strength</li> <li>• Good mechanical properties</li> <li>• Good heat resistance</li> <li>• Film produced can be metallized</li> </ul>
	520L	10	Specially developed for tubular water quenched blown film applications	<ul style="list-style-type: none"> <li>• Contains anti-block &amp; slip agent</li> <li>• Consistent processability</li> <li>• High melt strength</li> <li>• Good optical properties</li> <li>• Excellent runnability on bagging and sealing machines</li> </ul>
	520P	10.5	Food packaging, lamination film, stationary film, textile packaging, flower packaging, and hygiene packaging.	<ul style="list-style-type: none"> <li>• Excellent properties for twist film application</li> <li>• Extrusion of cast film</li> <li>• Monolayer films and co-extruded films</li> <li>• Excellent transparency, stiffness and high heat resistance</li> </ul>



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## SABIC HOMOPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min) (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Foaming	561P	2.5	Building block to develop new foaming solution	<ul style="list-style-type: none"> <li>• Ultra melt strength resin</li> <li>• Melt strength of more than 65 cN</li> <li>• Outstanding foam-ability</li> <li>• Building block to develop new foaming solutions</li> </ul>
Fiber Extrusion	510P	12	Wipes and industrial carpets	<ul style="list-style-type: none"> <li>• Anti-gas fading stabilization package</li> </ul>
	511A	25	Spun bond and continuous filament spinning resulting in excellent non-woven tensile properties	<ul style="list-style-type: none"> <li>• Narrow distributed molecular weight</li> <li>• Special developed anti-gas fading formulation</li> <li>• Minimize discoloration of the fibers</li> </ul>
	519A	35	Very fine filament titre resulting in an excellent balance of mechanical properties and softness	<ul style="list-style-type: none"> <li>• Consistent high speed and low non-wovens weights at reduced temperatures</li> <li>• Very narrow molecular weight distribution</li> <li>• Compatible with all existing spun bond machine technologies</li> <li>• Special developed anti-gas fading formulation</li> <li>• Minimize discoloration of the fibers</li> </ul>
Injection Molding	575P	11	Rigid injection molded articles for general purpose applications	<ul style="list-style-type: none"> <li>• Consistent processability and high gloss in the products</li> </ul>
	5705P	15	Rigid injection molded articles for general purpose applications	<ul style="list-style-type: none"> <li>• High stiffness</li> <li>• Good heat resistance</li> <li>• Good flow characteristic</li> </ul>
	PCGH19	19	Healthcare applications such as caps and closures, 3-part syringes and other thin walled parts	<ul style="list-style-type: none"> <li>• Complies with EP and USPVI</li> <li>• High product quality, consistency and a high level of purity</li> <li>• Narrow molecular weight distribution</li> </ul>
	576S	19	Caps & closures and thin wall packaging both in food and non-food segments	<ul style="list-style-type: none"> <li>• Good flow properties</li> <li>• Very good demolding properties</li> <li>• Narrow molecular weight distribution</li> <li>• Low warpage and high gloss</li> <li>• High stiffness in combination with moderate impact strength</li> </ul>
	5707N	24	Housewares, thin-walled packaging, caps & closures	<ul style="list-style-type: none"> <li>• Good flow properties</li> <li>• Good dimensional stability</li> <li>• High stiffness</li> <li>• Good clarity compared to standard PP homopolymer grades</li> </ul>
	595A	47	Specially developed for use in automotive compounding	<ul style="list-style-type: none"> <li>• High flow properties enabling high production rates</li> <li>• High stiffness</li> <li>• Formulated with a dedicated automotive additive package</li> </ul>



SABIC RANDOM COPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min)  (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Pipe extrusion	VESTOLEN P9421	0.3	High demanding pressure pipes and fittings for drinking water	• Heat stabilized, extraction resistance
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
	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	• Clarifier and anti-static agents • Consistent processability • Good stiffness • Excellent clarity • Lower energy consumption due to low processing temperatures • Excellent organoleptic properties



SABIC Polymers



## SABIC IMPACT COPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min) <small>(ASTM D 1238, 230°C/2.16kg)</small>	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding Compression molding	46MNK45	6	Suitable for both injection and compression molding of beverage closures	<ul style="list-style-type: none"> <li>• Phthalate free grade</li> <li>• Very good processability</li> <li>• Good stiffness and impact resistance</li> <li>• Contains nucleating &amp; anti-static agents</li> </ul>
Injection molding	36MK10	5.5	Injection of molded articles	<ul style="list-style-type: none"> <li>• Nucleated polypropylene impact copolymer</li> <li>• Balanced impact and stiffness properties</li> </ul>
	37MK10	9		<ul style="list-style-type: none"> <li>• Impact copolymer polypropylene resin</li> <li>• Good impact</li> <li>• High stiffness</li> <li>• Good heat stability</li> <li>• Contains nucleating &amp; anti-static agents</li> </ul>
	57MNK10	12		<ul style="list-style-type: none"> <li>• Controlled rheology PP grade</li> <li>• Excellent impact resistance even at low temperature</li> <li>• Balanced stiffness</li> </ul>
	57MNK40	12		<ul style="list-style-type: none"> <li>• Controlled rheology PP</li> <li>• Contains nucleating &amp; anti-static agents</li> <li>• Excellent impact resistance even at low temperature</li> <li>• Balanced stiffness</li> </ul>
	48MK40	16		<ul style="list-style-type: none"> <li>• Contains nucleating and anti-static agents</li> <li>• Medium flow properties</li> <li>• Good impact resistance even at low temperature</li> <li>• Balanced stiffness</li> </ul>
	49MK45	21		<ul style="list-style-type: none"> <li>• Contains nucleating &amp; anti-static agents</li> <li>• Medium flow properties</li> <li>• Balanced impact and stiffness properties</li> </ul>
	310MK10	24.5		<ul style="list-style-type: none"> <li>• Nucleated polypropylene impact copolymer</li> <li>• Balanced impact and stiffness properties</li> </ul>
	310MK40	26		<ul style="list-style-type: none"> <li>• Nucleated polypropylene impact copolymer</li> <li>• Balanced impact and stiffness properties</li> <li>• Contains anti-static agent.</li> </ul>



SABIC Polymers



SABIC IMPACT COPOLYMER POLYPROPYLENE

PROCESS	GRADE	MELT FLOW RATE (g/min)  (ASTM D 1238, 230°C/2.16kg)	TYPICAL APPLICATIONS	CHARACTERISTICS
Injection molding	511MK46	30	Injection molded articles	<ul style="list-style-type: none"><li>• Contains nucleating and anti-static agents</li><li>• Medium-high flow</li><li>• Excellent organoleptic properties</li><li>• Excellent top load strength and downgauging</li><li>• Excellent isotropic shrinkage (dimensional stability)</li><li>• High crystallization temperature</li></ul>
	312MK10	39		<ul style="list-style-type: none"><li>• Nucleated polypropylene impact copolymer</li><li>• Balanced impact and stiffness properties</li></ul>
	312MK40	39		<ul style="list-style-type: none"><li>• High flow properties</li><li>• Balanced impact and stiffness properties</li><li>• Contains nucleating and anti-static agents</li></ul>
	412MK49	45		<ul style="list-style-type: none"><li>• Contains nucleating &amp; anti-static agents</li><li>• High flow properties</li><li>• Balanced impact and stiffness properties</li></ul>
	513MN40	70		<ul style="list-style-type: none"><li>• Controlled rheology, high fluidity</li><li>• Contains anti-static agent</li><li>• Good impact resistance even at low temperature</li></ul>
	FPC75	70	Top-load applications with a very high stiffness - impact balance	<ul style="list-style-type: none"><li>• Phthalate free grade</li><li>• Good organoleptic</li><li>• Contains nucleating &amp; anti-static agents</li></ul>
	FPC105	100	Thin walled injection molding and auto-compounding	<ul style="list-style-type: none"><li>• Exceptional flow-ability</li><li>• Good impact-stiffness balance</li><li>• Excellent organoleptic properties</li><li>• Fast crystallization</li><li>• Contains nucleating &amp; anti-static agents</li></ul>



SABIC Polymers





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	<ul style="list-style-type: none"><li>• Good abrasion resistance</li><li>• Excellent flex cracking resilience</li><li>• Good low temperature properties</li><li>• Low cold flow property</li><li>• Excellent filler dispersion and shorter mixing cycles</li><li>• Low die-swell and good dimensional control</li></ul>
	4610	46	>96%	<0.5%		<ul style="list-style-type: none"><li>• Excellent abrasion resistance</li><li>• Excellent flex cracking resistance</li><li>• Excellent resilience</li><li>• Good low temperature properties</li><li>• Low rolling resistance</li></ul>
	5510	55	>96%	<0.5%		<ul style="list-style-type: none"><li>• Excellent abrasion resistance</li><li>• Excellent flex cracking resistance</li><li>• Excellent resilience</li><li>• Good low temperature properties</li><li>• Low rolling resistance</li></ul>

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	<ul style="list-style-type: none"><li>• Fast cure rate</li><li>• High cure state with good low temperature flexibility</li><li>• Compression set properties</li></ul>
Calendering	626	67	2.8	69	Sheets, water management liners, and roof membranes, shoe sole	<ul style="list-style-type: none"><li>• Good calenderability</li><li>• Tensile strength</li><li>• Compression set</li><li>• Flexibility</li></ul>
Extrusion molding	657	60	5	73	Extruded profiles, Automotive weatherseals, gaskets and seals, low voltage wires and cables insulation, TPV	<ul style="list-style-type: none"><li>• Excellent processability</li><li>• Mill handling</li><li>• Tensile strength</li><li>• Tear strength</li><li>• Compression set</li><li>• Flexibility</li></ul>
	756	72	5	69	Auto coolant/air hose, building profiles, industrial hoses, weather seals, wire & cable, TPV	<ul style="list-style-type: none"><li>• Exhibits smooth and fast extrusion</li><li>• Tensile strength</li><li>• Compression set</li><li>• Flexibility</li></ul>
	855	82	5	55	Automotive weatherseals, auto coolant / air hoses, industrial gaskets and O rings for pipes / hoses, and washing machine gasket, TPV	<ul style="list-style-type: none"><li>• Fast mixing, extrusion, molding, and cure rate</li><li>• Good compression set properties at low and high temperature</li></ul>



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