



Polypropylene Grades for Automotive Applications



Polypropylene Grades for Composites

The polypropylene compounds segment is characterized by being highly innovation-driven. The demand for performance, processability, and competitiveness is constant. To serve this, Braskem presents a portfolio of proven grades and launches of new resins with an unprecedented balance of properties, which meet and exceed current demands and trends, particularly in the automotive sector.

Resins for Compounds

Applications



Automotive Interior and Exterior



Injection



Compounding

Property Table

PP Type	Braskem Grade	Melt Flow Rate (230 °C / 216 kg)	Density	Flexural Modulus % Secant	Tensile Strength at Yield	Elongation at Yield	Rockwell Hardness	Notched Izod Impact Strength at 23 °C	Notched Izod Impact Strength at 20 °C	Deflection Temperature under Load at 0.455 MPa
	Method	ASTM D 1238	ASTM D 792A	ASTM D 790A	D 638		D 785	D 256A		D 648
	Units	g/10 min	g/cm ³	MPa	MPa	%	R Scale	J/m		°C
HOMO	F1000HC	115	-	2068	41	4,5	-	16	-	-
		Automotive compounds and home appliance.								
	H 107	80	0,905	1550	38	8	106	20	-	110
		High fluidity compounds and thin-walled parts.								
	H 118	45	0.905	1800	40	7	102	20	-	116
		Thin-wall parts and fast-cycle injection.								
	HP648S	40	0.905	1400	37	9	103	20	-	110
		High fluidity compounds and thin-walled parts.								
	H 103	40	0.905	1200	34	12	101	20	-	98
		High fluidity compounds and thin-walled parts.								
HECO	H 202HC Maxio®	23	0.905	1950	41	7	109	20	-	127
		Extremely high rigidity and high fluidity for large-volume technical parts and household appliances.								
	KM6150HC	4	0.905	1700	39	7	110	40	-	122
		Garden furniture and plastic furniture.								
	H 503	3.5	0.905	1300	35	11	97	30	-	98
		High-performance mechanical compounds and appliances.								
	H 502HC	3.3	0.905	1950	38	7	108	25	-	130
		General extrusion and extrusion blow molding.								
	HP 500D	0.7	0.905	1300	33	6	92	50	-	90
		Food packaging, cosmetic packaging, jars, bottles, tubes, profiles, sheets, cosmetics, parts with high rigidity, and strapping.								
	CP 100	100	0.900	1350	27	5	92	30	20	115
		Compounds with extremely high fluidity, high filler content, and thin-walled parts. Low VOC.								
	CP 180R	80	0.900	1600	30	4	90	40	20	125
		Compounds with extremely high fluidity, high filler content and thin-walled parts.								
	CP 191	80	0.895	950	19	5.8	57	120	55	-
		Thin-wall injection and fast cycle, with good low-temperature stiffness/impact balance.								
	EP 548S	44	0.903	1350	23	6	89	60	35	108
		Compounds with extremely high fluidity, high filler content and thin-walled parts.								
	CP 141	43	0.900	1200	26	5	83	100	50	110
		Compounds with high fluidity, good impact and thin-walled parts.								



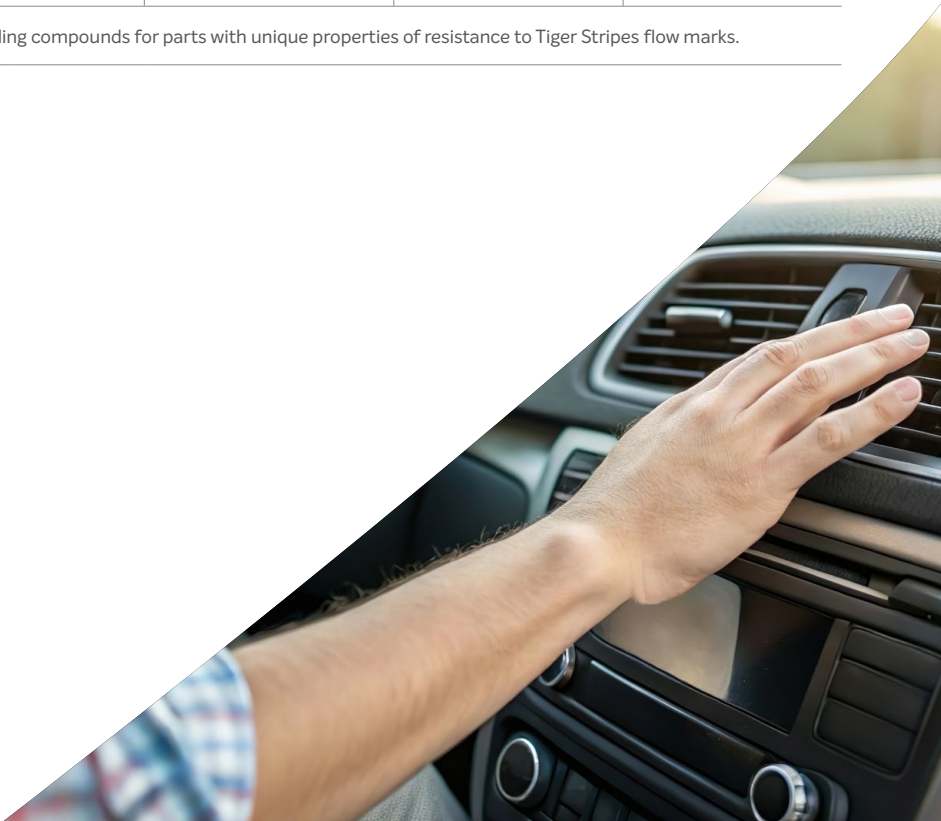
PP Type	Braskem Grade	Melt Flow Rate (230 °C / 2,16 kg)	Density	Flexural Modulus 1% Secant	Tensile Strength at Yield	Elongation at Yield	Rockwell Hardness	Notched Izod Impact Strength at 23°C	Notched Izod Impact Strength at 20°C	Deflection Temperature under Load at 0,455 MPa
HECO	Method	ASTM D 1238	ASTM D 792A	ASTM D 790A	D 638		D 785	D 256A		D 648
	Units	g/10 min	g/cm³	MPa	MPa	%	R Scale	J/m		°C
	ES 540S	42	0.900	1350	27	6	89	60	35	108
		Compounds with high fluidity, good impact, thin-walled parts and low VOC.								
	CP 202XP	26	0.900	1500	35	6	98	55	25	21
		Compounds with high fluidity and excellent balance of mechanical properties, UD.								
	CG220NA	22	0.905	1100	23	6	75	180	60	100
		Industrial buckets.								
	CP 295	20	0.895	750	18	6	46	NB	100	80
		Product base for compounds, excellent balance of mechanical properties.								
	CP 284R	14	0.895	1000	22	6	66	> 250	80	100
		Household items, industrial buckets.								
	CP 396XP	11	0.895	850	19	6	51	NB	90	85
		Injection molded parts with an excellent balance between rigidity and impact. Compounding.								
	CP 393	9	0.895	950	21	8	55	NB	85	90
		Injection molded parts with an excellent balance between rigidity and impact. Compounding.								
	EP 440L	6	0.895	1050	24	6	60	NB	75	85
		Home appliances, industrial buckets, toys.								
	CP 442XP	6	0.895	1100	24	7	79	170	50	93
		Automotive parts, car battery boxes.								
	CP 401HC	6	0.900	1700	34	6	99	55	20	125
		Automotive parts and household items								
	EP 200K	3.5	0,895	1000	22	7	66	NB	70	86
		Automotive parts and household items.								
	CP 741	0.8	0.895	900	24	13	74	> 400	50	90
		Packaging and blown technical parts in general, extrusion of sheets with high impact resistance, thermoformed packaging with high impact resistance, extrusion of corrugated pipes for draining water from sinks or washbasins.								

PCR Products

Product	Color	Melt Flow Index (g/10min)	PCR Content (%)	Flexural Modulus (MPa)	IZOD Impact (J/m)
RPH OJBK	Black	10	100%	1050	35
DPR 007B	Black	12	100%	1000	40
DPR 014AW	Black	50	100%	1000	35
DPR 014BW	Black	80	100%	1000	35
RPP237 BK6	Black	24	60%	1000	50
RPP237 BK7	Black	12	70%	1250	40

Anti Tiger-Stripes Products

Braskem Grade	Melt Flow Rate (230 °C / 2,16 kg)	Flexural Modulus 1% Secant	Tensile Strength at Yield	Elongation at Yield	Notched Charpy Impact Strength at 23°C
Method	D 1238	D 790	D 638		D 6110
Units	g/10 min	MPa	MPa	%	J/m
TI2150C	15	1620	32	7	80
	Suggested use for compounds.				
TI2900C	115	1500	-	-	30
	Suggested use in injection molding compounds for parts with unique properties of resistance to Tiger Stripes flow marks.				



Products for Battery Boxes

PP Type		Melt Flow Rate (230 °C / 2,16 kg)	Density	Flexural Modulus 1% Secant	Notched Izod Impact Strength at 23 °C	Deflection Temperature under Load at 0,455 MPa
HECO	Method ASTM	D 1238	D 792A	D 790A	D 256A	D 648
	Units	g/10 min	g/cm ³	MPa	J/m	°C
	CP 442XP	6	0,895	1100	170	93
		Automotive parts, car battery boxes.				
	EP 440L	6	0,895	1050	NB	85
		Automotive parts, car battery boxes.				

NB: Non-Break.



- 1) Check product availability in your region with our commercial team.
- 2) It is the sole responsibility of the Customer/Buyer to verify the suitability of the products and their use for the intended application, ensuring compliance with the legal and regulatory requirements applicable to the final product.
- 3) Any technical guidance provided by Braskem regarding the product does not constitute a guarantee of performance for the intended application, nor does it exempt the Customer/Buyer from the responsibilities described in item 2 above.
- 4) Any information regarding product use does not mean that Braskem is aware of or has validated the Customer/Buyer's production process or the suitability of the product for its intended application. All warranties of suitability of the product for a particular purpose, whether express or implied, are expressly excluded.
- 5) The information contained herein refers to the date expressed in this document, and Braskem may update or change the information contained herein at any time and without prior notice. The Customer/Buyer should consult www.braskem.com to check for any updates to this information.
- 6) For regulatory information associated with the product and its origin, please consult the Regulatory Information Sheet (RIS). For other requests, please contact Braskem's Technical Services department.
- 7) The information contained herein is provided based on the best of Braskem's knowledge, indicating typical property values of the Product, and such values should not be considered absolute or as a guarantee.