

# Driven to provide new levels of performance and innovation

## Polypropylene for Automotive & Compounding



**Braskem** 

# Innovation is the tool that drives us in the pursuit of our **long-term commitments with sustainable development**

Our purpose is to improve people's lives by creating sustainable solutions through chemicals and plastics.

In line with the UN 2030 sustainable development goals, Braskem took on long-term goals with people and the planet in 2020. Working in three priority and four complementary dimensions, we are looking to achieve these goals through innovation.



**Eliminating plastic waste**



**Mitigating Climate Change**



**Social Responsibility & Human Rights**

An ecosystem developed to represent Braskem's products, technologies and initiatives that help drive the circular economy.



A portfolio of products made from sugarcane that captures CO<sub>2</sub> from cradle-to-gate, helping mitigate climate change.



All our polypropylene grades are available with ISCC+ certification, using the mass balance method with bio, circular or bio-circular feedstocks\*, ensuring sustainability and traceability across the supply chain.

## Automotive & Compounding

From bumpers and safety relevant parts to under-the-hood components, our polypropylene is a versatile material used across a wide range of automotive applications. As a base resin, it is modified with fillers, colorants, and stabilizers to meet the specific requirements of Tiers and OEMs, delivering cost-effective, innovative design solutions that enhance vehicle safety, durability, and performance.





## High Impact PP Copolymers

Our globally available high impact copolymers enable the production of previously unattainable balance of high toughness and stiffness compounds.

CP396XPD

CP284RD

CP295D

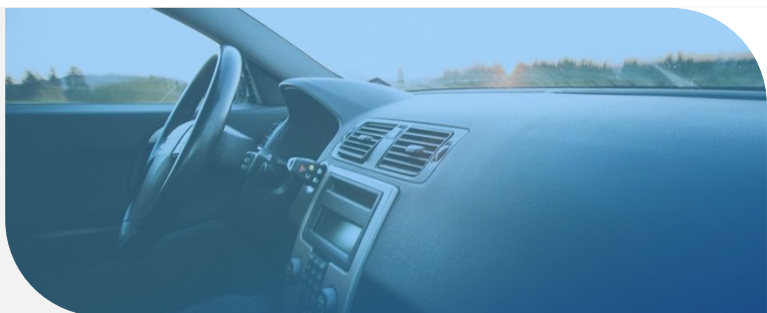
TI8300CD

Key benefits:

- Improved toughness and flowability
- Improved impact properties for high mineral filled compounds
- Higher toughness for FR compounds

## High Stiffness PP Homopolymers

Developed for the automotive compounding market, our high crystallinity homopolymers provide premium levels of stiffness, flowability, compounding flexibility, and performance.



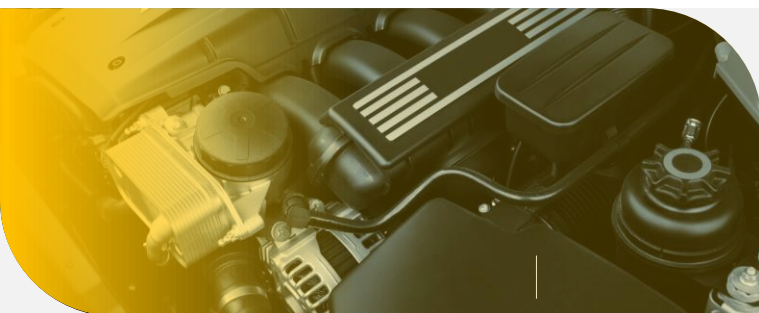
Key benefits:

- Wide range of melt flow rates
- Enabling higher HDT performance
- High crystallinity

F030HC

F350HC

F1000HC2



## Low Emission<sup>(1)</sup> & Fogging, High Melt flow PP Copolymers

Low emission impact copolymers meet VDA277 and VDA278 automotive standards. The latest DC705LE.01<sup>(2)</sup> (MFR 44) enables the development of low emission compounds with a broad MFR range for automotive applications.

CG150V

DC705LE.01

Low emission is attainable **without**:

- Specialized compounding lines
- Additional treatment after production
- Adding expensive additives

<sup>(1)</sup> All PP grades are available in low emission variants

<sup>(2)</sup> Grade currently under development. For more information, please contact our technical or commercial team



Melt Flow Index  
(230 °C / 2,16 Kg)

Flexural  
Modulus

Notched Charpy  
Impact  
Resistance @23 °C

Strength at Yield

Additives \*

	Method	ISO 1133	ISO 178	ISO 179	ISO 527-1	-
	Units	g/10 min	MPa	kJ/m <sup>2</sup>	MPa	-
Extrusion	PG107H	0,7	1500	8,5	34	-
	enhanced process <b>stabilization</b> , high <b>melt strength</b> , excellent <b>rigidity</b>					
INSPIRE 215		2,1	1700	5	36	N, AS
	superior <b>stiffness/impact balance</b> , high <b>temperature resistance</b> , excellent <b>optical/organoleptic properties</b>					
Stiffness	F030HC	3,3	2150	3,5	40	N
	high <b>crystallinity</b> for superior stiffness, high <b>temperature resistance</b> , improved <b>VOC performance</b>					
	F350HC	35	2000	2,5	40	N
high <b>crystallinity</b> for superior stiffness, high <b>temperature resistance</b> , improved <b>VOC performance</b>						
F1000HC2		110	2200	1,5	41	N
	high <b>crystallinity</b> for superior stiffness, high <b>temperature resistance</b> , improved <b>VOC performance</b> , very high <b>flowability</b>					
General	HSP165G	16,5	1500	3,5	34	AGF
	high <b>stiffness</b> and heat <b>resistance</b> , <b>anti gas fading</b>					
	HSP250NA	25	1650	3	36	N, AS
high <b>stiffness</b> and heat <b>resistance</b> , low <b>warpage</b> and short <b>cycle times</b>						
H734-52RNA2		52	1700	2,5	35	N, AS
	balanced <b>physical properties</b> , <b>easy processing</b> , low <b>warpage</b> , thin <b>wall injection molding</b> , short <b>cycle times</b>					

\*Additives: N = Nucleated, AS = Antistatic, AGF= Anti-gas fading



	Method	Melt Flow Index (230 °C / 2,16 Kg)	Flexural Modulus	Notched Charpy Impact Resistance @23 °C	Notched Charpy Impact Resistance @-20 °C	Additives *
	Units	g/10 min	MPa	kJ/m <sup>2</sup>	kJ/m <sup>2</sup>	-
Extrusion	CSPO30N	0,3	1300	70	6	N
	high molecular weight, low melt flow, very high impact resistance					
	INSPIRE 118	0,3	1750	60	2,5	N
high molecular weight, low melt flow, very high stiffness						
INSPIRE 114	0,5	1500	65	4,5	-	
	high molecular weight, high melt strength					
High Impact	CP396XPD	11	1000	60	11	N
	high stiffness and very high impact resistance, especially at low temperatures					
	CP284RD	14	1150	50	7	N, AS
	superior balance of stiffness and toughness, excellent impact strength					
	CP295D	20	750	60	10	-
	high flow and high impact resistance					
TI8300CD	30	950	55	9	N	
	high flow and high impact resistance, superior low temperature drop impact					
DCD600NQ.01	60	700	15	7,5	N	
	high flow and superior low temperature drop impact					
High Stiffness	TI2150C	15	1620	7,2	2,9	N
	high stiffness, suppressing tiger marking					
	CG350N	35	1500	7,2	3,5	N
high flow copolymer with good mold fill ability						
TI2900C	110	1600	3,9	2,1	N	
	high stiffness, suppressing tiger marking, high flow					

\*Additives: N = Nucleated, AS = Antistatic, AGF= Anti-gas fading



		Melt Flow Index (230 °C / 2,16 Kg)	Flexural Modulus	Notched Charpy Impact Resistance @23 °C	Notched Charpy Impact Resistance @-20 °C	Additives *
	Method	ISO 1133	ISO 178	ISO 179	ISO 179	
	Units	g/10 min	MPa	kJ/m <sup>2</sup>	kJ/m <sup>2</sup>	-
Low emission	CG150V	15	1100	11	6	-
	low emissions <b>copolymer</b> (acc. VDA277, 278) for automotive <b>interior applications</b>					
Low emission	DC705LE.01	44	1450	7	4	N, AS
	low emissions <b>copolymer</b> (acc. VDA277, 278) for automotive <b>interior applications</b>					
High Meltflow	CD700NAQ	70	1200	8	3,5	N, AS
	high <b>flowability</b> , high <b>impact strength</b> at low <b>temperature</b> , low <b>shrinkage &amp; warpage</b>					
	CG700NA	70	1350	6	3,5	N, AS
	high <b>flowability</b> , good balance of <b>mechanical properties</b> even at low temperature, good <b>organoleptics</b>					
High Meltflow	C7069-100NA	100	1400	4	2,5	N, AS
	very high <b>flowability</b> , excellent balance of <b>mechanical properties</b> , short <b>cycle times</b>					
General	C715-12NHP	12	1450	10	4,5	N
	high <b>stiffness</b> and impact <b>strength</b>					
	C765-15NA	15	1200	12	6,5	N, AS
	good balance of <b>stiffness and toughness</b> , very low <b>shrinkage</b> , very high <b>elongation</b> at break					
	C706-21NAHP	21	1450	8	4,5	N, AS
	high <b>stiffness</b> and high <b>impact resistance</b> , excellent <b>antistatic properties</b>					
General	C7082-30NA	30	1300	8,5	5	N, AS
	excellent balance of <b>mechanical properties</b> combined with good flow					
General	C705-44NAHP	44	1450	7	4	N, AS
	high <b>flowability</b> , superior <b>stiffness</b> , good <b>impact performance</b>					

\*Additives: N = Nucleated, AS = Antistatic, AGF= Anti-gas fading



## ► BATTERY

		Melt Flow Index (230 °C / 2,16 Kg)	Flexural Modulus	Tensile Modulus	Tensile Strength at yield	Notched Charpy Impact Resistance @23 °C	Notched Charpy Impact Resistance @ -20 °C	Vicat (A50)	HDT B (0.45 MPa)	Additives *
	Method	ISO 1133	ISO 178	ISO 527	ISO 527	ISO 179	ISO 179	ISO 306	ISO 75	
	Units	g/10 min	MPa	MPa	MPa	kJ/m <sup>2</sup>	kJ/m <sup>2</sup>	°C	°C	-
Injection Molding	DCSP50.02	5,5	1300	1200	26	30	6,5	151	88	N
		excellent heat resistance, very high impact resistance								
	CSP70H	7	1450	1350	28	9	4	152	90	-
		excellent long term heat stabilization, good weldability								

\* Additives: N = Nucleated, AS = Antistatic, AGF= Anti-gas fading

# Braskem

## Global Presence

With a **global, human-oriented vision of the future**, Braskem strives every day to improve people's lives by creating sustainable solutions in chemistry and plastics. Braskem is the largest producer of thermoplastic resins in the Americas and a **global leader in the production of biopolymers on an industrial scale**.

Our products are exported to some **70 countries** and we count on 40 Industrial units, located in Brazil, the United States, Germany and Mexico (in partnership with Mexican company Idesa). For more information, visit [www.Braskem.com](http://www.Braskem.com)



Clients in  
more than  
**70**  
countries

More than  
**8.500**  
team  
members

**6<sup>th</sup>**  
largest producer in PE,  
PP and PVC

#1 producer PE, PP and PVC  
in the Americas

#1 PP producer in North America

#1 PE, PP and PVC producer  
in Latin America

**40**  
industrial units:

  
29 plants

  
4 plants

  
5 plants

  
2 plants

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