

► **Polypropylene**

Products and Properties
North America

Braskem



▶ PP – Polypropylene

▶ **Nomenclature**

PP

HOMO = Homopolymer

RACO = Random Copolymer

HECO = Heterophasic Copolymer

HCHP = High Crystalline Homopolymer

This information reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product. The mentioned values in this report can be changed at any moment without Braskem previous communication. For usage doubts or to discuss other applications, contact our Technical Service Engineers.

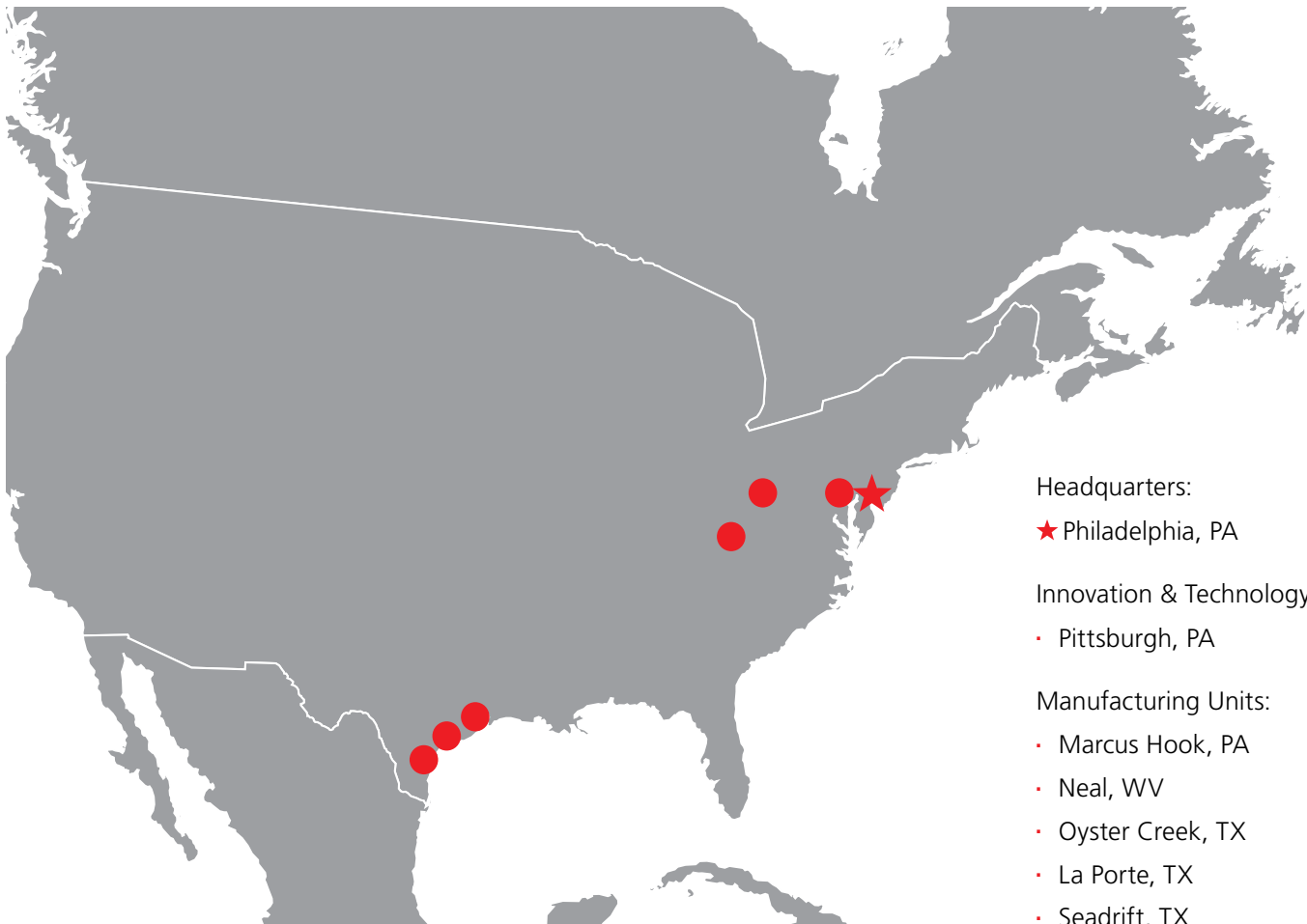
Braskem: expanding horizons with products and services

Braskem, the leading producer of thermoplastic resins in the Americas and the world's largest producer of biopolymers, has constantly innovated by launching new products in partnership with Clients, bringing about improvements to society and the environment. With installed resin production capacity of over 35 billion pounds a year, Braskem has supported the plastic chain by developing more modern and innovative products, sponsoring expositions and events related to the plastics industry and by providing technical know-how and expanding production capacity.

The operational synergy between Braskem's plants and offices around the world enables it to better meet the growing needs of both our global and local Clients through the supply of products and services.

Besides offering products and services that promote sustainability, Braskem constantly monitors and seeks ways to reduce water and energy consumption, as well as waste and effluent generation, further reducing the environmental impact of its operations in Brazil and around the world.

Innovation, technology, sustainability and the unceasing quest for the best way to serve translate into dreams come true for Clients, and in each new partnership, Braskem creates new ways to look at the world.



Headquarters:

★ Philadelphia, PA

Innovation & Technology Center:

• Pittsburgh, PA

Manufacturing Units:

• Marcus Hook, PA

• Neal, WV

• Oyster Creek, TX

• La Porte, TX

• Seadrift, TX

► Compression Molding

Compression Molding - Typical Properties								
Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa
HECO	TI4150WR	15	220,000	1,517	1.5	80	4,600	32
		Excellent mold release, very high flexural modulus						

► Blow Molding

Blow Molding - Typical Properties								
Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa
RACO	6D20	1.9	150,000	1,035	1.1	59	3,900	27
		Consistent processability, good regrind, good gloss and clarity, low taste and odor transfer						
	R131-02A	1.9	150,000	1,035	1.1	59	3,900	27
		Consistent processability, good regrind, good gloss and clarity, low taste and odor transfer, contains an antistatic additive						
	6D83G	1.9	155,000	1,069	5.5	294	4,100	28
		Consistent processability, low plate-out, good regrind, good gloss and clarity, low taste and odor transfer, contains clarifying additive, high izod impact						
	6D83K	1.9	155,000	1,069	5.5	294	4,100	28
		Consistent processability, good regrind, good gloss and clarity, low taste and odor transfer, contains clarifying additive, high izod impact						
	RP650	2.0	170,000	1,172	1.2	64	4,600	32
		High flexural modulus, next generation clarifier providing superior aesthetics and enhanced optical properties						



► BOPP

BOPP - Typical Properties								
Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa
HOMO	Inspire 6025	2.0	270,000	1,862	0.7	37	5,600	39
		Broad processing window, high stiffness material enables down gauging						
	FF030F2	3.0	210,000	1,448	0.8	43.0	4,900	34
		Designed for orientated film applications, provides excellent color and processing stability, superior optical and mechanical properties, broad processing window						
HECO	TI4003F	0.3	210,000	1,448	NB	NB	4,200	29
	Extra high Izod impact, very high flexural modulus, good low temperature drop impact							
	Inspire 114	0.5	215,000	1,483	NB	NB	4,350	30
		Improved stiffness, heat resistance, puncture strength, and toughness over polyethylene films						
	TI4015F	1.6	175,000	1,207	NB	NB	3,800	26
		Designed for superior balance of stiffness and impact strength, excellent processability						
RACO	6D20	1.9	150,000	1,035	1.1	59	3,900	27
	Superior gloss and clarity, low taste and odor transfer							
	DS6D81	5.0	80,000	551	1.7	91	2,750	19
	Superior optical properties, designed for heat seal applications							
	DR376.01	7.0	80,000	551	1.7	91	2,750	19
	Excellent processability for cast film with exceptional edge flow and speed, designed for heat seal applications, outstanding catastrophic tear resistance							
	DS6D82	7.0	80,000	551	1.7	91	2,750	19
		Superior optical properties, designed for heat seal applications						
	DS6D21	8.0	110,000	759	0.9	48	3,620	25
		Particularly suited for applications requiring high clarity and gloss, designed for metalizing and printing applications						

► Cast Film

Cast Film - Typical Properties								
Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa
HOMO	Inspire 6025	2.0	270,000	1,862	0.7	37	5,600	39
		Broad processing window, high stiffness material enables down gauging						
	INSPIRE 6025N	2.5	300,000	2,068	0.7	37	5,700	40
		Next generation nucleated homopolymer that offers a broad processing window with superior flexural modulus and good optical properties						
	D218	8.0	320,000	2,207	0.6	32	5,800	40
		Excellent clarity, superior stiffness and heat resistance over conventional polypropylene in blown film, cast film, and sheet extrusion						
HECO	TI4015F	1.6	175,000	1,207	NB	NB	3,800	26
	Designed for superior balance of stiffness and impact strength, high melt strength for blown film applications, performs at low temperatures.							
	KN-501	8.0	170,000	1,172	2.5	133	3,700	26
		Excellent color and process stability, excellent long term heat aging properties, wet/dry environment resistance						
RACO	DR376.01	7.0	80,000	551	1.7	91	2,750	19
	Excellent processability for cast film with exceptional edge flow and speed, designed for heat seal applications							
	DS6D21	8.0	110,000	759	0.9	48	3,620	25
		Particularly suited for cast film applications requiring high clarity and gloss, designed for metalizing and printing applications						

► Extrusion

Extrusion - Typical Properties								
Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	MPa	ft-lb/in	J/m	psi	MPa
HOMO	F006EC2	0.5	200,000	1,379	1.3	69	4,900	34
		Multipurpose suitable for a wide range of applications						
	H521	3.6	240,000	1,655	0.7	37	5,400	37
		General purpose, low water carryover						
	D218	8.0	320,000	2,207	0.6	32	5,800	40
		Contains antiblock and nucleating additives, high flexural modulus						
HECO	TI4003F	0.3	210,000	1,448	NB	NB	4,200	29
		Extra high Izod impact, very high flexural modulus, good low temperature drop impact						
	Inspire 114	0.5	215,000	1,483	NB	NB	4,350	30
		High melt strength, high toughness, excellent processability, high impact, high film stiffness/machinability and heat resistance						
	TI4007G	0.7	175,000	1,207	NB	NB	4,200	29
		extra high izod impact, superior low temperature drop impact						
	TI4015F	1.6	175,000	1,207	NB	NB	3,800	26
		Superior balance of stiffness and impact strength						
TI4020N	2.0	220,000	1,517	NB	NB	4,000	28	
	Extra high izod impact, superior low temperature drop impact, good organoleptic properties, nucleated							
C7054-07NA	7.0	155,000	1,069	NB	NB	3,220	22	
	High stiffness, high toughness, contains nucleating and antistatic additives							
RACO	DR376.01	2.0	170,000	1,172	1.2	64	4,600	32
High flexural modulus, next generation clarifier providing superior aesthetics and enhanced optical properties								

Fiber - Typical Properties									
Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)		
ASTM Method		D1238	D790A		D256A		D638		
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa	
HOMO	H521	3.6	240,000	1,655	0.7	37	5,400	37	
		General purpose, low water carryover							
	D080T	8.0	230,000	1,586	0.6	32	5,400	37	
		Multipurpose suitable for a wide range of applications							
	D115A	11	230,000	1,586	0.5	27	5,200	36	
		Multipurpose, good color, excellent process stability							
	D130C	14	220,000	1,517	0.5	27	5,400	37	
		High bulk material suitable for fine denier staple fiber and high speed fiber spinning							
	D180A2	18	220,000	1,517	0.7	37	5,100	35	
		Multipurpose suitable for a wide range of applications, excellent melt stability							
D180M	18	190,000	1,310	0.5	27	5,100	35		
	Multipurpose suitable for a wide range of applications, low gas fade								
CP250H	25	170,000	1,172	0.4	21	4,700	32		
	Narrow molecular weight distribution, low smoke/condensate								
CP360H	34	170,000	1,172	0.4	21	4,700	32		
	Narrow molecular weight distribution, low smoke/condensate								



► Injection Molding

Injection Molding - Typical Properties

Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa
HOMO	F006EC2	0.5	200,000	1,379	1.3	69	4,900	34
		Excellent long term heat aging						
	H521	3.6	240,000	1,655	0.7	37	5,400	37
		General purpose, low water carryover						
	D115A	11	230,000	1,586	0.5	27	5,200	36
		Multi purpose, good color and process stability						
	FT120WB2	12	230,000	1,586	0.6	32	5,400	37
		Superior antistatic properties, excellent mold release						
	FT120WV	12	240,000	1,655	0.7	37	5,600	38
		Antistatic, nucleated, good mold release						
	FT120W2	12	230,000	1,586	0.6	32	5,400	37
		Antistatic, good mold release						
	F180A	17	220,000	1,517	0.7	37	5,100	35
		Multipurpose suitable for a wide range of applications						
	FT200WV	20	255,000	1,759	0.7	37	5,600	39
		Good mold release, nucleated, excellent rigidity and hardness						
	ZS-751	22	270,000	1,862	0.4	27	5,500	38
		Superior stiffness, excellent mold release, nucleated						
	FPT300F	30	200,000	1,379	0.7	37	4,800	33
		Good mold release, excellent part finish (low bloom)						
CP360H	34	170,000	1,172	0.4	21	4,700	32	
	Narrow molecular weight distribution, low smoke/condensate							
CP350WV	35	240,000	1,655	0.5	27	5,500	38	
	Narrow molecular weight distribution, antistatic, nucleated, good mold release							
FPT350WV3	35	240,000	1,655	0.5	27	5,500	38	
	Narrow molecular weight distribution, antistatic, nucleated, very good mold release							
5E16S	40	195,000	1,345	0.5	27	4,600	32	
	Good processability, contains antistatic additive							
F1000HC	115	300,000	2,069	0.3	16	6,000	41	
	Very high flexural modulus, high melt flow							



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Injection Molding - Typical Properties

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ASTM Method		D1238	D790A		D256A		D638		
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa	
HECO	TI4007G	0.7	175,000	1,207	NB	NB	4,200	29	
		Extra high izod impact, superior low temperature drop impact							
	TI4020N	2.0	220,000	1,517	NB	NB	4,000	28	
		Extra high izod impact, superior low temperature drop impact, good organoleptic properties, nucleated							
	TI6035NB	3.8	140,000	966	NB	NB	3,100	21	
		Extra high izod impact, superior low temperature drop impact							
	TI4040WT	4.0	205,000	1,414	3.5	187	4,400	30	
		Superior drop impact at refrigeration temperature, very high flexural modulus, nucleated, good mold release							
	C7054-07NA	7.0	155,000	1,069	NB	NB	3,220	22	
		High stiffness, high toughness, contains a nucleating and antistatic additive							
	KN-501	8.0	170,000	1,172	2.5	133	3,700	26	
		Excellent color and process stability, excellent long term heat aging properties, wet/dry environment resistance							
	TI4150WR	15	220,000	1,517	1.5	80	4,600	32	
		Very good mold release, very high flexural modulus							
	C702-20	18	150,000	1,034	3.5	187	3,000	21	
		High impact, suitable for a wide range of injection molded applications							
	C702-20NA	18	180,000	1,241	3.5	187	3,300	23	
		High impact performance, contains a nucleating and antistatic additive							
	C7079-25RNA	25	155,000	1,069	NB	NB	3,200	22	
		Consistent processability, excellent toughness, good surface gloss							
	TI6350WV	35	135,000	931	4.2	224	2,800	19	
		Superior low temperature impact, nucleated, antistatic							
	C719-35RN HP	35	155,000	1,069	3.5	187	3,000	21	
		High impact, contains nucleating agent							
	TI4350P	35	200,000	1,379	1.4	75	4,000	28	
		Good balance of stiffness and impact strength, excellent organoleptic properties, high melt flow							
	C700-35N	35	220,000	1,517	1.2	64	4,000	28	
		Good mold fillability, high stiffness, fast set-up, contains a nucleating agent							
C7100-50NA	50	140,000	966	2.3	160	3,200	22		
	Freezer temperature impact resistance, high flow processing ease, easy mold release, fast cycle time, good organoleptic properties, contains nucleating and antistatic additives								
TI6550WV	55	190,000	1,310	1.8	96	3,400	23		
	High melt flow, good low temperature impact, nucleated, good mold release, antistatic								
TI4700P2	70	180,000	1,241	1.2	64	3,900	27		
	High stiffness, nucleated								
TI6800WV	80	155,000	1,069	2.3	123	3,000	21		
	Nucleated, excellent mold release, high impact properties								
C758-80NA	80	200,000	1,379	1.4	75	3,730	26		
	Very easy mold filling with good balance of impact strength and stiffness, contains a nucleating and antistatic additive								



► Injection Molding

Injection Molding - Typical Properties								
Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa
RACO	RP350	12	155,000	1,069	1.1	59	4,300	30
		Processing stability, low odor, good flow and set-up-behavior, superior clarity, aesthetics and enhanced optical properties, excellent mold release						
	TR3350CW2	31	155,000	1,069	1.0	53	4,100	28
		Good mold release, superior processing stability, superior clarity, nucleated, superior aesthetics and enhanced optical properties						
	TR3350MS	35	125,000	862	1.0	53	3,600	25
		High impact performance, excellent mold release, superior clarity, excellent processability						
	RP250	35	170,000	1,172	1.0	53	4,500	31
		Superior processing stability, superior clarity, aesthetics and enhanced optical properties, excellent mold release						
	R7021-50RNA	50	155,000	1,069	1.0	53	4,000	28
		Good impact properties, excellent optics, fast cycle times, contains clarifier and antistat additives						
R7022-50RNA	50	150,000	1,069	1.0	53	4,000	28	
	Good impact properties, excellent optics, fast cycle times, contains clarifier, slip, and antistat additives							
R7023-50RNA	50	150,000	1,069	1.0	53	4,000	28	
	Good impact properties, excellent optics, fast cycle times, contains clarifier and slip additives							

► Thermoforming



Thermoforming - Typical Properties								
Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact S trength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa
HOMO	INSPIRE 6021N	2.0	255,000	1,759	0.6	32	5,500	37
	Next generation nucleated homopolymer that offers a broad processing window with good physical properties							
	INSPIRE 6022N	2.0	255,000	1,759	0.6	32	5,500	37
Next generation nucleated homopolymer that offers a broad processing window with good optical and physical properties								
HOMO	INSPIRE 6025N	2.5	300,000	2,068	0.7	37	5,700	40
	Next generation nucleated homopolymer that offers a broad processing window with superior flexural modulus and good optical properties							
HECO	TI4015F	1.6	175,000	1,207	NB	NB	3,800	26
	Superior balance of stiffness and impact strength							
	INSPIRE 114	0.5	215,000	1,483	NB	NB	4,350	30
	High melt strength, high toughness, excellent processability, high heat resistance, designed for large part thermoforming							
	TI4020N	2.0	220,000	1,517	NB	NB	4,000	28
Extra high izod impact, excellent low temperature drop impact, good organoleptic properties, nucleated								
HECO	TI6035NB	3.8	115,000	793	NB	NB	3,100	22
	Extra high izod impact, superior low temperature drop impact							
HECO	TI4040WT	4.0	205,000	1,414	3.5	187	4,400	30
	Superior drop impact at refrigeration temperature, very high flexural modulus, nucleated, good mold release							
RACO	RP650	2.0	170,000	1,172	1.2	64	4,600	32
	High flexural modulus, next generation clarifier providing superior aesthetics and enhanced optical properties							



► Compounding

Compounding - Typical Properties								
Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa
HOMO	F006EC2	0.5	200,000	1,379	1.3	69	4,900	34
		Enhanced long term heat aging						
	F008F	0.8	190,000	1,310	0.8	43	5,200	36
		High melt strength, excellent rigidity						
	H521	3.6	240,000	1,655	0.7	37	5,400	37
		General purpose, low water carryover						
	D040A	4.2	230,000	1,586	0.7	37	5,400	37
		Injection molding, wet and dry long-term heat aging						
	D080T	8.0	230,000	1,586	0.6	32	5,400	37
		Multi purpose suitable for a wide range of applications						
D115A	11	230,000	1,586	0.5	27	5,200	36	
	Multipurpose, good color and process stability							
F180A	17	220,000	1,517	0.7	37	5,100	35	
	Multi purpose suitable for a wide range of applications							
CP360H	34	170,000	1,172	0.4	21	4,700	32	
	Narrow molecular weight distribution, low smoke/condensate							
CP1200B	126	180,000	1,241	0.3	16	4,700	32	
	Multi purpose suitable for a wide range of applications, high melt flow							



► Compounding

Compounding - Typical Properties								
Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa
HCHP	INSPIRE 6025N	2.5	300,000	2,068	0.7	37	5,760	40
		Next generation nucleated homopolymer that offers a broad processing window with superior flexural modulus and good optical properties						
	F350HC2	35	300,000	2,069	0.4	21	6,000	41
		Very high flexural modulus, high melt flow						
	F1000HC	115	300,000	2,069	0.3	16	6,000	41
		Very high flexural modulus, high melt flow						
High Crystalline HECO	TI2150C	15	235,000	1,620	1.5	80	4,600	32
		Highly crystalline homopolymer phase, very high molecular weight EPR phase, very high flexural modulus, reduced emissions, reduced gels						
	TI2350C	40	235,000	1,620	1.0	53	4,600	32
		Highly crystalline homopolymer phase, very high molecular weight EPR phase, very high flexural modulus, reduced emissions, reduced gels, high melt flow						
	TI2600C	66	235,000	1,620	0.9	48	4,900	34
		Highly crystalline homopolymer phase, very high molecular weight EPR phase, very high flexural modulus, reduced emissions, reduced gels, high melt flow						
TI2900C	110	235,000	1,620	0.7	37	4,900	34	
	Highly crystalline homopolymer phase, very high molecular weight EPR phase, very high flexural modulus, reduced emissions, reduced gels, high melt flow							
TI7100M	120	260,000	1,793	0.7	37	4,900	34	
	Highly crystalline homopolymer phase, high molecular weight EPR phase, very high flexural modulus, reduced emissions, reduced gels, high melt flow							



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Family	Grade	Melt Flow (230°C, 2.16 kg)	Flexural Modulus (0.05 in/min, 1% secant)		Notched Izod Impact Strength @ 23°C		Tensile Strength @ Yield (2 in/min)	
ASTM Method		D1238	D790A		D256A		D638	
Units		g/10'	psi	Mpa	ft-lb/in	J/m	psi	Mpa
HECO	TI4005P2	0.5	210,000	1,448	NB	NB	4,200	29
		Extra high izod impact, very high flexural modulus, good low temperature drop impact, nucleated						
	INSPIRE 114	0.5	215,000	1,483	NB	NB	4,350	30
		High melt strength, high toughness, excellent processability, high impact, high film stiffness/machinability and heat resistance						
	TI4007G	0.7	175,000	1,207	NB	NB	4,200	29
		Extra high izod impact, superior low temperature drop impact						
	TI6035NB	3.8	140,000	966	NB	NB	3,100	21
		Extra high izod impact, superior low temperature drop impact						
	TI4040WT	4.0	205,000	1,414	3.5	187	4,400	30
		Superior drop impact at refrigeration temperature, very high flexural modulus, nucleated, good mold release						
	KN-501	8.0	170,000	1,172	2.5	133	3,700	26
		Excellent color and process stability, excellent long term heat aging properties, wet/dry environment resistance						
	TI6120Q4	12.0	115,000	793	NB	NB	2,750	19
		Extra high izod impact, superior low temperature drop impact, good paint adhesion						
	C702-20	18	150,000	1,034	3.5	187	3,000	21
		High impact, suitable for a wide range of injection molded applications						
	TI6200Q4	20	115,000	793	NB	NB	2,850	20
		Extra high izod impact, superior low temperature drop impact, good paint adhesion						
	C7079-25RNA	25	155,000	1,069	NB	NB	3,200	22
		Consistent processability, excellent toughness, good surface gloss						
TI6350WV	35	135,000	931	4.2	224	2,800	19	
	Superior low temperature impact, nucleated, antistatic							
C719-35RN HP	35	155,000	1,069	3.5	187	3,000	21	
	High impact, contains nucleating agent							
TI4350P	35	200,000	1,379	1.4	75	4,000	28	
	Good balance of stiffness and impact strength, excellent organoleptic properties, high melt flow							
TI6550WV	55	190,000	1,310	1.8	96	3,400	23	
	High melt flow, good low temperature impact, nucleated, good mold release, antistatic							
TI4700P2	70	180,000	1,241	1.2	64	3,900	27	
	High stiffness, nucleated							
TI4900M	115	210,000	1,448	0.7	37	4,300	30	
	Very high flexural modulus, high melt flow							

Braskem is one of the world's leading plastics and chemical companies with 40 industrial plants in Brazil, the United States, Germany and Mexico – the company's newest industrial complex is a joint venture with Idesa, which represents a \$5.2 billion investment.

Braskem is the largest producer of thermoplastic resins in the Americas and the leading producer of biopolymers in the world, creating more environmental-friendly, intelligent and sustainable solutions through chemicals and plastics. Known for innovative solutions such as I'm green Polyethylene™ made from renewable sugarcane and UTEC,® the company's own trademarked Ultra High Molecular Weight Polyethylene for high performance applications, Braskem's products and technologies enable the automotive, packaging, healthcare, and construction industries to produce goods that enhance quality of life for people around the world.

Braskem America is a wholly owned subsidiary of Braskem S.A. headquartered in Philadelphia. The company is the leading producer of polypropylene in the United States, with five production plants located in Texas, Pennsylvania and West Virginia, and an Innovation and Technology Center in Pittsburgh.