



► **Caps and Closures**
EU Portfolio

Braskem

► Caps and Closures

The Segment

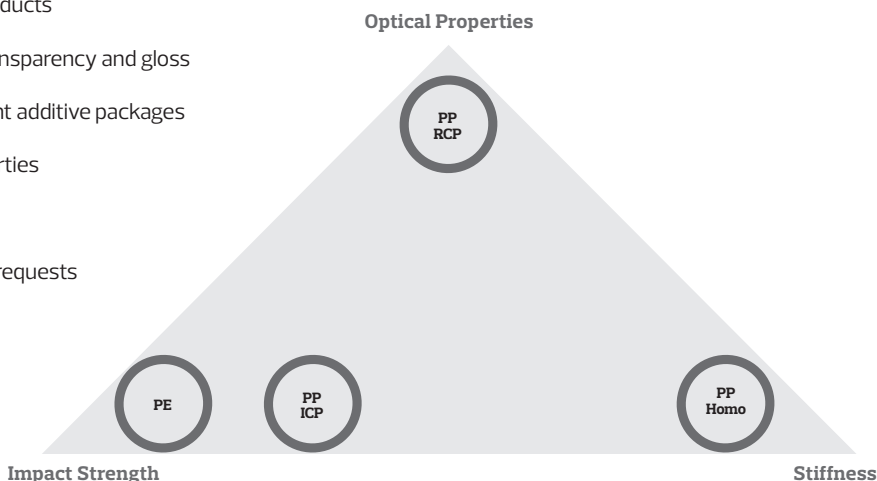
The packaging market increasingly demands more properties from its caps and closures than just esthetic appeal, convenience or diversification of its brand. It also demands other important properties that guarantee the integrity of the packaged product and help in the speeds adopted in the application lines.

Production of caps and closures that help reduce environmental impact is also essential for this segment.

Through its technical and commercial staff working jointly with professionals from its Technology and Innovation Center, Braskem offers customers grade-based solutions to meet their needs, either through a top quality product portfolio or through innovative solutions presented by its team.

Characteristics

- Grade approved for contact with food products
- Random copolymers with exceptional transparency and gloss
- Wide range of melt flow as well as efficient additive packages
- Grades with excellent organoleptic properties
- Sustainable bio-based PE available
- Dedicated team to address all regulatory requests



		MFR 230°C, 2.16 kg	Flexural Modulus	Tensile yield strain	Tensile yield stress	Charpy notched impact strength @ 23°C	Charpy notched impact strength @ 0°C	Charpy notched impact strength @ -20°C	Special additives
Method		ISO 1133	ISO 178	ISO 527-2	ISO 527-2	ISO 179	ISO 179	ISO 179	
Units		dg/min	MPa	%	MPa	kJ/m²	kJ/m²	kJ/m²	
Homo	Inspire 215	2.1	1700	10	36	5	–	–	NU, AS
	FT120WV	11	1650	8	36	4	–	–	NU, AS
	HSP250NA	25	1650	8	36	3	–	–	NU, AS
	F350HC2*	35	2100	6	41	2	–	–	NU
	DH789.01	50	1700	8	37	3	–	–	NU, AS
ICP	EP445L*	6	1450	7	32	7	2.5	2.0	NU, AS, SA
	EP440N*	12	1200	6	21	11	6.5	5.0	NU, AS
	C706-21NAHP	21	1450	8	27	8	5.0	4.5	NU, AS
	C7082-30NA	30	1300	5	25	9	6.0	5.0	NU, AS
	C705-44NAHP	44	1450	5	28	7	5.0	4.0	NU, AS
	C711-70RNA	70	1250	5	24	8	5.5	4.0	NU, AS
RCP	DR7051.01	10	1200	12	28	6	2.0	–	CA
	DR7037.01	23	1200	12	29	6	2.0	–	CA
	Inspire 364	42	1050	12	27	6	1.5	–	CA, AS
	Inspire 382	70	1050	13	27	5	1.5	–	CA, AS

		MFR 190°C, 2.16 kg	Density	Flexural modulus	Tensile yield stress	ESCR 10% Igepal, 50°C	ESCR 100% Igepal, 50°C	Notched Izod impact strength @ 23°C	Special additives
Method		ISO 1133	ASTM D4883	ISO 178	ISO 527-2	ASTM D1693	ASTM D1693	ASTM D256	
Units		dg/min	g/cm³	MPa	MPa	h	h	J/m	
HDPE	GE7252*	2	0.952	1100	26	15	–	–	–
	IA59*	7.3	0.960	1250	28	–	–	75	–
	HDI0861U1*	8.5	0.961	1650	32	–	5	53	UV
	HDI2061*	20	0.961	1350	29	–	<4	25	–
LDPE	LDF2023*	2	0.923	–	11	–	–	–	–
	LDF2023S1*	2	0.923	–	11	–	–	–	SA, AB
	LDI2220*	20	0.920	–	12	–	–	–	–

HDPE	SGE7252*	2	0.952	1100	26	15	60	50	–
	SHC7260*	7.2	0.959	1375	29	–	–	20	–
	SHA7260*	20	0.955	1150	–	–	–	35	–
LDPE	SPB208*	22	0.923	250	10	–	–	NB	–
	SPB308*	30	0.915	150	8	–	–	NB	–



* Imported from outside Europe

AB = anti block; SA = slip agent; NU = nucleated; CA = clarified; AS = antistatic

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