



Flexible Packaging



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Braskem offers a broad portfolio of resins for the Flexible Packaging segment, with solutions that combine excellent processability, mechanical, optical, and sealing properties.

Braskem's materials are used in packaging for a wide range of markets and applications, such as food, pet food, and personal care.



Metallocene LLDPE

Braskem's Flexus and Proxess families of metallocene LLDPE were developed to meet the high demands of the flexible packaging market, delivering high performance for various applications. These families are recommended for a wide range of uses, such as form-fill-seal (FFS) packaging, industrial sacks, shrink films, agricultural films, barrier packaging, among others.

The Flexus family offers superior sealing, mechanical, and optical performance.

Proxess grades provide easy processing with good film properties.

		MELT FLOW RATE (190°C/2,16 kg)	DENSITY (g/cm³)	ADDITIVES AB/SL	APPLICATIONS
Family	Method ASTM	D 1238	D 1505/D 792		
	Units	g/10 min	g/cm³		
Flexus	Flexus 9200	1,0	0,917	–	Industrial sacks, liners, and general films where high CoF is desired.
	Flexus 9211	1,0	0,917	AB/SL	High-performance technical films for automatic packaging; co-extrusion; general use films.
	Flexus 9212XP	1,0	0,917	AB/SL	Laminated films with better CoF control; high-performance technical films for automatic packaging; co-extrusion.
	Flexus 9213S	1,0	0,919	AB/SL	High-performance films; co-extrusion; lamination; technical coils for automatic packaging.
Proxess	Proxess 1509XP	0,9	0,916	AB/SL	High-performance films; laminated films with better CoF control; technical coils for automatic packaging.
	Proxess 1806S3	0,6	0,918	AB/SL	High-performance films; co-extrusion and lamination of technical coils for automatic packaging.
	Proxess 1809	0,9	0,918	–	High-performance films; co-extrusion and lamination of technical coils for automatic packaging.
	Proxess 2606	0,6	0,926	–	Heat-shrinkable film; co-extrusion and industrial sacks.
	Proxess 3310	1,0	0,933	–	High-performance films; co-extrusion and lamination of technical coils for automatic packaging.



LDPE

Complete portfolio for various applications, offering flexibility, high melt strength, and excellent optical properties.

	MELT FLOW RATE (190°C/2,16 kg)	DENSITY (g/cm³)	ADDITIVES AB/SL	APPLICATIONS
Method ASTM	D 1238	D 1505/D 792		
Units	g/10 min	g/cm³		
TX7001	0,14	0,922	-	Large agricultural films such as silo bags, plastic sheeting, and industrial sacks.
TX7003	0,27	0,922	-	High-performance technical films for automatic packaging, co-extrusion, and general use films.
TS7003	0,27	0,922	AB/SL	Industrial sacks and packaging, shrink films, packaging for chilled or frozen products, and technical films for automatic packaging.
BF0323HC	0,32	0,923	-	
BF0323/12HC	0,32	0,923	AB/SL	
LD7000A	0,34	0,921	-	
LD7001A	0,34	0,921	AB/SL	
TN7006	0,6	0,924	-	Films with good transparency for co-extruded food packaging.
TS7006	0,6	0,925	AB/SL	
TS9022	2,2	0,931	AB/SL	Technical films for automatic packaging of toilet paper and disposables, general use films.
EB853	2,7	0,923	-	Technical films for automatic packaging of toilet paper and disposables, general use films.
EB853/72	2,7	0,923	AB/SL	
EF2126S3	2,6	0,921	AB/SL	



LLDPE

Extensive portfolio for general use that offers a balanced combination of film properties and processability, making it suitable for a wide variety of film types.

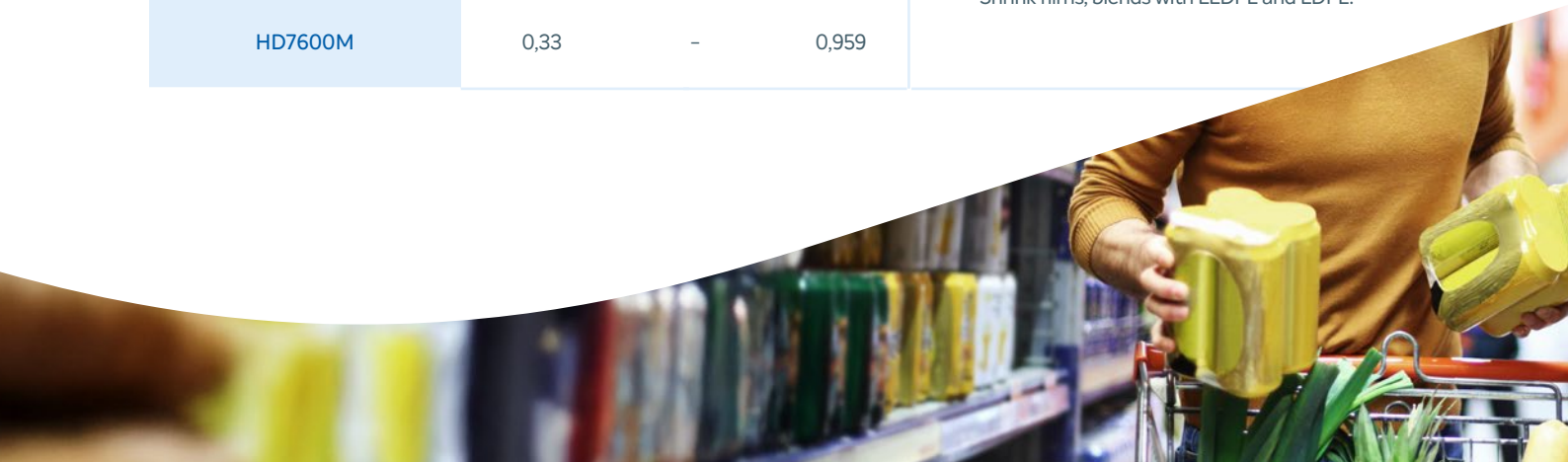
		MELT FLOW RATE (190°C/2,16 kg)	DENSITY (g/cm³)	ADDITIVES AB/SL	APPLICATIONS
Family	Method ASTM	D 1238	D 1505/D 792		
	Units	g/10 min	g/cm³		
Butene	LF0720/20AF	0,7	0,921	AB	Industrial sacks, liners, and general films where high CoF is desired.
	LF0720/21AF	0,7	0,921	AB/DL	General use films, technical films for automatic packaging.
	LF1020/21AF	1,0	0,919	AB / DL	
	LL118/21	1,0	0,919	AB / DL	
	FM31D	1,0	0,919	AB / DL	
	LL5405S	1,0	0,919	AB / DL	
	LL5400S	1,0	0,918	–	Industrial sacks, bags, liners, general films where high CoF is desired, and blends for irrigation pipes.
	LL4405S	2,0	0,922	AB / DL	Agricultural films for fruit protection, applications requiring low thickness (10 µm).
	FP33	1,8	0,932	AB / DL	Technical films for automatic packaging of toilet paper and disposables, general use films.
Hexene	LH118	1,0	0,916	–	Stretch films, liners, and general packaging.
	HF2007	0,73	0,920	–	Industrial sacks, liners, and general films where high CoF is desired.
	HF2207B5	0,73	0,923	AB	
	LH0820/30AF	0,80	0,920	AB	
	LHB118/21AF	1,0	0,918	AB / DL	Packaging for frozen and chilled products and general technical films.
	HF2208S3	0,75	0,922	AB / DL	

		MELT FLOW RATE (190°C/2,16 kg)	DENSITY (g/cm ³)	ADDITIVE AB/SL	APPLICATIONS
Family	Method ASTM	D 1238	D 1505/D 792		
	Units	g/10 min	g/cm ³		
Hexene	HF0131XP	10,5	0,937	–	Packaging for frozen hamburger-type products.

HDPE

Our extensive HDPE portfolio provides a balanced combination of mechanical properties and processability, making it suitable for enhancing stiffness and barrier performance in a wide range of film types.

	MELT FLOW RATE (190°C/2,16 kg)	MELT FLOW RATE (190°C/21,6 kg)	DENSITY (g/cm ³)	APPLICATIONS
Method ASTM	D 1238	D 1238	D 1505/D 792	
Units	g/10 min	g/10 min	g/cm ³	
HD7400XP	–	9,3	0,952	Bags, perforated rolls, repackaging, and general-purpose sacks.
GM9450F	–	9,3	0,952	
HD2000F	–	9,3	0,952	
BF4810	–	10,0	0,948	
HD4810	–	10,0	0,948	
HD5000N	1,3	–	0,959	High-transparency films, high gloss, and/or with lower fat permeability.
HE150	1,0	–	0,948	
HD7600U	0,30	–	0,954	Shrink films, blends with LLDPE and LDPE.
HD7600M	0,33	–	0,959	



EVA

Braskem offers a broad EVA portfolio for various flexible film applications, meeting processing requirements, flexibility, and high strength for food packaging—whether chilled or frozen. These resins feature low melting temperature and strong adhesion for applications requiring bonding between substrates. Additionally, they provide high elastic memory and load retention, making them ideal for stretch hood applications across industries such as chemical, pharmaceutical, ceramics, and cement, among others.

GRADE	MELT FLOW RATE (190°C/2,16 kg)	VA (%)	MELTING POINT (°C)	APPLICATIONS
VA0410F	0,35	10,0	98	Co-extruded packaging for food products, chilled and frozen.
TN2005	0,50	13,5	94	Co-extruded packaging for food products, chilled, frozen, and stretch hood unitization films.
TN2006	0,70	18,0	90	Co-extruded packaging for food products, chilled, frozen, and stretch hood unitization films.
TN2020	2,0	8,5	100	Co-extruded packaging for food products, chilled and frozen.
HM728F	6,0	28,0	73	Blown and cast films with excellent adhesion to various substrates such as OPP and PVDC.





PE produced from sugarcane, a renewable source that helps reduce the carbon footprint without compromising performance or processability.



Drop-in Solution

Replaces conventional resin without requiring adjustments to machinery or processing methods.



Recyclable

Can be recycled through the same streams already used for conventional PEAD.



Renewable Source

Produced from sugarcane, a renewable raw material.

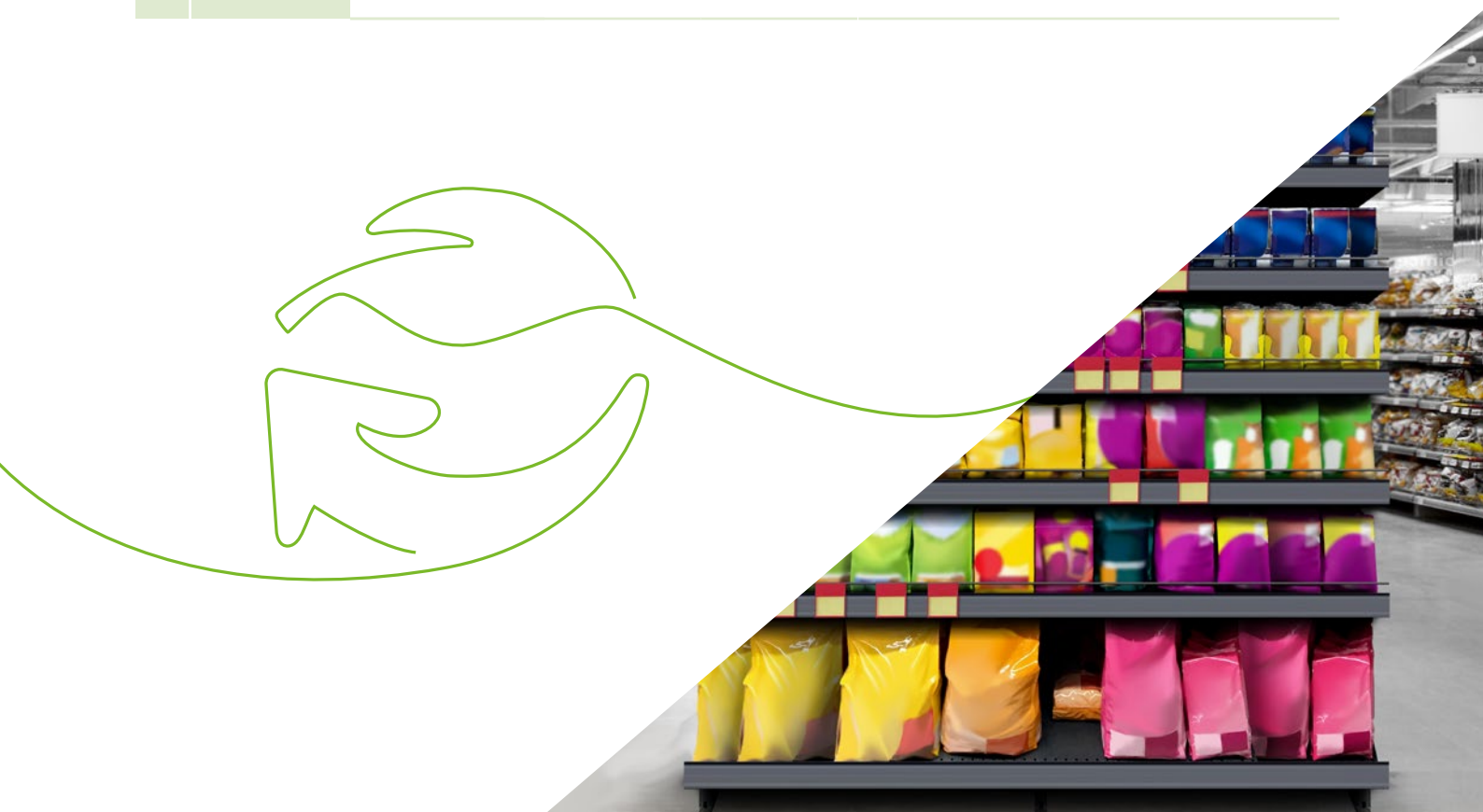


CO₂ Capture

Sugarcane captures CO₂ from the atmosphere, helping reduce greenhouse gas emissions.



GRADE		MELT FLOW RATE (190°C/2,16 kg)	DENSITY (g/cm³)	MINIMUM C14 CONTENT (%)	APPLICATIONS
HDPE	SGM9450F	0,33	0,952	96	Retail bags, promotional bags, packaging for food and pet food.
	SHE150	1,0	0,948	94	Food packaging and blends with LLDPE and LDPE requiring high transparency and gloss.
LLDPE	SLL118	1,0	0,916	87	Stretch films, industrial sacks, liners, packaging for cosmetics and general use.
	SLL118/21	1,0	0,918	87	Food packaging, automatic packaging (FFS), and blends with LDPE and HDPE.
	SLH118	1,0	0,916	84	Stretch films, industrial sacks, liners, packaging for cosmetics and general use.
	SLH218	2,3	0,916	84	Stretch films and blends with LDPE and HDPE.
LDPE	SBF0323HC	0,32	0,924	95	Industrial films, shrink films, baler sacks.
	STN7006	0,60	0,925	95	High transparency and gloss films for food and automatic packaging (FFS).
	SEB853	2,7	0,923	95	Blown and cast films requiring higher CoF.
	SEB853/72	2,7	0,923	95	Laminated and general use films for automatic packaging of solid products requiring lower CoF.
	SPB681	3,8	0,922	95	Blown and cast films requiring higher CoF.
	SPB681/59	3,8	0,922	95	Laminated and general use films for automatic packaging of solid products requiring lower CoF.



- 1) Check product availability in your region with our commercial team.
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- 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.
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