





# **Shrink Film**

Braskem offers a broad portfolio of resins for shrink films. In addition to important LDPE resins, it also uses LLDPE and HDPE resins in is formulations for blown film process. The current portfolio is capable of meeting the performance requirements of this application and surpassing the quality expectations of Clients and End-users.







Sustainability



Safety in transportation and storage

# I'm green™ bio-based Shrink Films

#### Solution with 60% renewable content

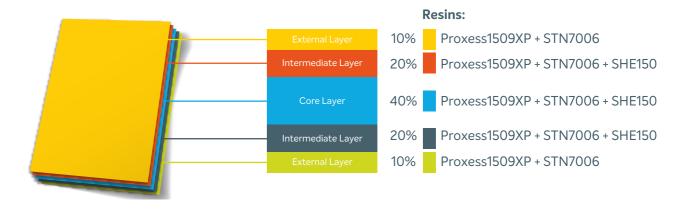
Braskem offers a broad portfolio of resins for shrink films including resins produced from renewable sources, with the capacity to meet the application's stringent performance requirements.

In addition to the important HDPE and LDPE resins, it also offers LLDPE resins, which are led by the family of metallocene resin Braskem Proxess, for formulations that surpass the performance expectations of Clients and End-users.

#### Solution's characteristics

The solution combines specific properties from the three families of Braskem LDPE, LLDPE and HDPE products. The combination of these products ensures clarity and gloss, excellent mechanical properties and good shrinkage force resulting in a tight packages.

# **Braskem Multilayer Collation Shrink Film Solution**



	LDPE							HDPE		
	LDPE LD700A	LDPE TX7003	LDPE TN7006	LDPE TS7006	LDPE LD701A	LDPE BF03233HC	HDPE HD7600U	НБРЕ НБ7600М	HDPE HE150	
Melt Flow Rate ASTM D 1238 - 190°C-2,16kg [g/10min]	0,34	0,27	0,60	0,60	0,34	0,32	0,30	0,33	1,00	
Density ASTM D1505 [g/cm³]	0,921	0,922	0,924	0,925	0,921	0,923	0,954	0,959	1,948	
Application	Excellent mechanical and shrinkage properties	Excellent mechanical and shrinkage properties	Perfect combination of mechanical, rigidity and optical properties	Perfect combination of mechanical, rigidity and optical properties	Excellent mechanical and shrinkage properties	Excellent mechanical, optical and shrinkage properties	Special for shrink films and has gel control	Special for shrink films and has gel control	Good balance of processability and rigidity. Very low gel level	







## **Stretch Film Solution**

Braskem offers a complete portfolio and the combination among the different materials allows the construction of film structures able to meet all the application and market requirements.

The new combination of Braskem Flexus 3600 and PP RF70 enlarges the range of solutions for stretch films.

Flexus3600 can replace solutions with LLDPE octene boosting film's performance regarding to tear and dart drop impact. Additionally a reduction of melt pressure during processing is obtained.

RF70 produced in Brazil was specially designed to be used in the middle layer of stretch films, providing longer tear propagation time, utilization stability and transport safety.

Films obtained with Braskem Flexus 3600 and the new RF70 ensures solutions with outstanding properties.

Providing a safe trip for your load

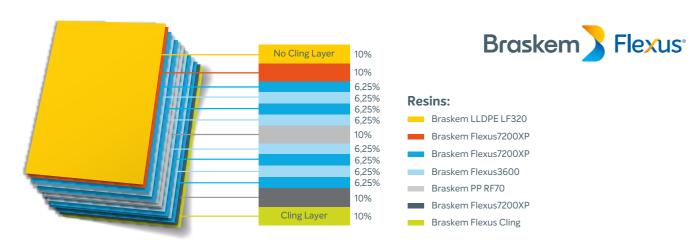




Safety in transportation and storage



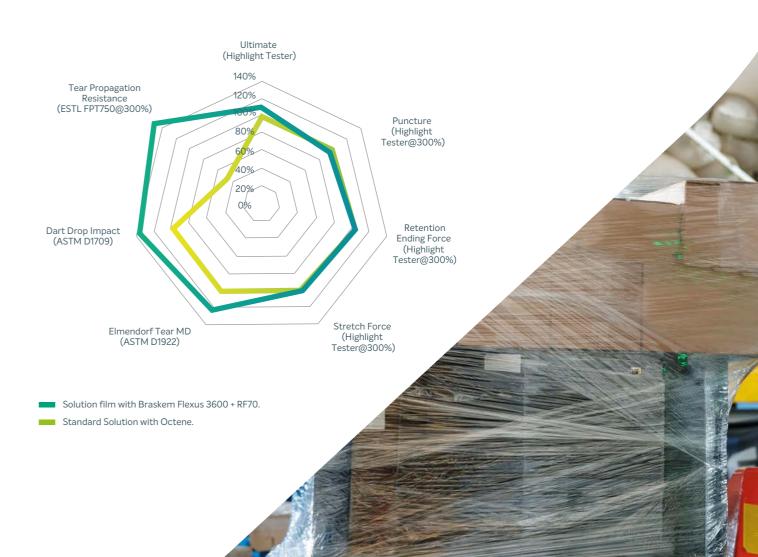
### Good cling performance at low temperatures



## **Braskem Stretch Film Solution**

	Product	Melt Flow Rate ASTM D 1238 (190°C/2,16kg) [g/10min]	Density ASTM D1505 [g/cm³]	Application
mLLDPE	Flexus 7200XP	3,5	0,918	High performance application
	Proxess 1809	0,9	0,918	No-cling layer & stiff application
LLDPE	LLDPE LF320	2,7	0,919	Manual application
	LLDPE LH218	2,3	0,916	Manual application & automatic solutions
	Flexus Cling	4,5	0,907	Cling layer
	LLDPE LL318	2,7	0,918	Manual application
	Flexus 3600	4,5	0,912	High performance application
PP random	PP RF70	7,0°	-	High performance application
I'm p green	LLDPE SLH218	2,3	0,916	Manual application & automatic solutions
	LLDPE DL085C	2,4	0,921	Manual application & automatic solutions

<sup>\*</sup>Melt Flow Rate (230°C/2.16kg).



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