Braskem PE LL5405S

Linear Low Density Polyethylene

Braskem

Message:

LL5405S is a Linear Low Density Polyethylene (LLDPE) developed for blown film extrusion. Films obtained with this product show a good processing performance balanced with good mechanical properties as well as processability. Very low gel amount.
Additive:
Antiblocking High
Slip - High
Applications:
LLDPE and HDPE blends, films with low thickness for general use, bags for waste, special bags for water and protection of clothes.
Process:
Blown film extrusion.

General Information			
Additive	High smoothness High caking resistance		
Features	Low speed solidification crystal point High smoothness High caking resistance Workability, good		
Uses	Blown Film Films Bags Mixing		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.919	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	0.10		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D882
MD: Broken, 40 µm, blown film	35.0	MPa	ASTM D882
TD: Broken, 40 µm, blown film	25.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 40 µm, blown film	1000	%	ASTM D882
TD: Broken, 40 µm, blown film	1200	%	ASTM D882

Flexural Modulus			ASTM D790
1% Secant, MD : 40 µm, Blown Film	160	MPa	ASTM D790
1% Secant, TD : 40 µm, Blown Film	180	MPa	ASTM D790
Dart Drop Impact (40 µm, Blown Film)	120	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 40 µm, blown film	90	g	ASTM D1922
TD: 40 µm, blown film	900	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss			ASTM D2457
45 °, 40.0 µm, blown film	55		ASTM D2457
60 °, 40.0 µm, blown film	80		ASTM D2457
Haze (40.0 µm, Blown Film)	18	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Blocking [1] (40.0 µm)	8.00	g/100 cm^2	ASTM D3354
NOTE			
1.	Blown Film		

Recommended distributors for this material

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