

Braskem PE LH-0820/30AF

Linear Low Density Polyethylene

Braskem

Message:

Description:
LH0820/30AF is a LLDPE hexene copolymer produced by Braskem. It offers outstanding processability combined with excellent mechanical properties.
Very low gel amount.
Additive:
Slip Absent
Processing Aid Medium
Antiblocking High
Applications:
Lamination, Heavy duty bags, Blends with LDPE and HDPE, Valvulated heavy duty bags

General Information			
Additive	High caking resistance		
	Processing aid		
Features	Low density		
	Low speed solidification crystal point		
	High caking resistance		
	Copolymer		
	hexene comonomer		
	Workability, good		
Uses	Laminate		
	Mixing		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow film		
	Extrusion blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength			ASTM D882
MD: Fracture	50.0	MPa	ASTM D882
TD: Fracture	40.0	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Fracture	950	%	ASTM D882
TD: Fracture	1200	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD	170	MPa	ASTM D790
1% Secant, TD	180	MPa	ASTM D790
Dart Drop Impact	170	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	270	g	ASTM D1922
TD	500	g	ASTM D1922
Optical	Nominal Value		Test Method
Gloss (60°)	49		ASTM D2457

Extrusion instructions

Blown Film Temperature profile: 180 to 210°C Blow up ratio: 2 to 3:1 Die gap: 1.8 to 2.5 mm Screen package: 40/60/40 blend Screen package: 40/40 100% pure Mass temperature: 220 °C

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