

Braskem PE LF-0720/21AF

Linear Low Density Polyethylene

Braskem

Message:

LF-0720/21AF is a LLDPE Butene copolymer produced using Unipol® process technology. It shows low haze and high clarity associated with good balance of mechanical properties, processing performance and sealability

General Information			
Additive	Processing aid		
	Moderate caking resistance		
	Moderate smoothness		
Features	Low density		
	Butene comonomer		
	Copolymer		
	Workability, good		
	Definition, high		
	Moderate caking resistance		
	Moderate smoothness		
Uses	Packaging		
	Films		
	Lining		
	General		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Film extrusion		
	Blow film		
	Extrusion blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Blown Film)	0.15		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Film Thickness - Recommended / Available	1.2 mil (30 µ)		
secant modulus			ASTM D882

MD: 25 µm, blown film	219	MPa	ASTM D882
TD: 25 µm, blown film	239	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	44.8	MPa	ASTM D882
TD: Broken, 25 µm, blown film	39.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	920	%	ASTM D882
TD: Broken, 25 µm, blown film	1300	%	ASTM D882
Dart Drop Impact ¹ (25 µm, Blown Film)	81	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	42	g	ASTM D1922
TD : 25 µm	190	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	10		ASTM D2457
Haze	11	%	ASTM D1003
Extrusion instructions			
Blown FilmTemperature profile: 180 to 210°CBlow up ratio: 2 to 3:1Die gap: 1.8 to 2.5 mmScreen package: 40/60/40 blendScreen package: 40/40 100% pureMass temperature: 220 °C			
NOTE			
1.	F50		

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