

Braskem PE LF1020/21AF

Linear Low Density Polyethylene

Braskem

Message:

LF1020/21AF is a Linear Low Density Polyethylene, with good balance of mechanical properties, processing performance and sealability.

Additive:

Slip Medium; Antiblocking Medium; Processing Aid Medium

Applications:

Automatic Packaging (FFS); liners; packages for general use; LDPE and HDPE blends.

Process:

Blown Film Extrusion

General Information			
Additive	Processing aid		
	Moderate caking resistance		
	Moderate smoothness		
Features	Workability, good		
	Moderate caking resistance		
	Moderate smoothness		
Uses	Blown Film		
	Packaging		
	Films		
	Lining		
	Mixing		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
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	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 40 µm, blown film	920	%	ASTM D882
TD: Broken, 40 µm, blown film	1200	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD : 40 µm, Blown Film	170	MPa	ASTM D790

1% Secant, TD : 40 μm, Blown Film	190	MPa	ASTM D790
Dart Drop Impact (40 μm, Blown Film)	190	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 40 μm, blown film	100	g	ASTM D1922
TD: 40 μm, blown film	850	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 40.0 μm, Blown Film)	70		ASTM D2457
Haze (40.0 μm, Blown Film)	12	%	ASTM D1003

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