

Braskem PE LHB-118/21AF

Linear Low Density Polyethylene

Braskem

Message:

LHB118/21 AF is a LLDPE copolymer produced by Braskem. It is a ready-to-use product since it contains 10% LDPE. Its additive package was optimized to avoid blocking, even at low thickness. Film obtained from this grade show very good mechanical properties and a good balance between sealability and processability. Very low gel amount.

Additive:
Processing Aid Medium
Antioxidants Medium
Slip Medium
Antiblocking High

Applications:
Frozen bags; general purpose.

General Information			
Additive	High caking resistance		
	Processing aid		
	Antioxidation		
	Moderate smoothness		
Features	Low density		
	Low speed solidification crystal point		
	High caking resistance		
	Copolymer		
	Antioxidation		
	Workability, good		
	Compliance of Food Exposure		
	Moderate smoothness		
Uses	Packaging		
	Films		
	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
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
Film Thickness - Tested	38	μm	
Tensile Strength			ASTM D882
MD: Fracture	40.0	MPa	ASTM D882
TD: Fracture	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	1000	%	ASTM D882
TD: Fracture	1300	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD	180	MPa	ASTM D790
1% Secant, TD	210	MPa	ASTM D790
Dart Drop Impact	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	80	g	ASTM D1922
TD	560	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	98		ASTM D2457
Haze	12	%	ASTM D1003
Extrusion instructions			

Blown Film Temperature profile: 170 to 190°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: 190 °C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT