

Braskem PE LH-118

Linear Low Density Polyethylene

Braskem

Message:

Description:

LH118 is a Linear Low Density Polyethylene, copolymer of hexene-1, produced by Spherilene process. Developed for blown film extrusion in blends with polyethylenes. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount. It contains antioxidant additives.

Applications:

Stretch films; liners; LDPE and HDPE blends and packages for general use. Others applications: blends for irrigation pipes.

Process:

Recommended processing conditions for film extrusion about 170 - 210 °C.

General Information	
Additive	Antioxidation
Features	Low density
	Low speed solidification crystal point
	Copolymer
	Optical
	hexene comonomer
	Antioxidation
Uses	Workability, good
	Compliance of Food Exposure
	Packaging
	Films
	Mixing
	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	0.916	g/cm ³	ASTM D1505
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	40.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	1100	%	ASTM D882
TD: Fracture	1400	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD	200	MPa	ASTM D790
1% Secant, TD	210	MPa	ASTM D790
Dart Drop Impact	150	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	300	g	ASTM D1922
TD	510	g	ASTM D1922
Optical	Nominal Value		Test Method
Gloss (60°)	69		ASTM D2457
Extrusion	Nominal Value	Unit	
Melt Temperature	170 - 210	°C	
Extrusion instructions			

Blow up Ratio: 2.2:1

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