

Braskem PE LL4801N

Linear Low Density Polyethylene

Braskem

Message:

LL4801N is a Linear Low Density Polyethylene which the films show good processing performance balanced with excellent mechanical and optical properties, especially for stretch films. It contains processing aid and antioxidant additives.

Applications:
High performance stretch films

Additive:
Processing Aid

Process:
LL4801N need to be processed in cast film lines. The optimum processing conditions are obtained with extrusion temperature between 220 to 270°C.

General Information			
Additive	Processing aid		
	Processing aid		
	Antioxidation		
Features	Optical		
	Antioxidation		
	Workability, good		
Uses	Films		
	Stretch winding		
	cast film		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.917	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	50.0	MPa	ASTM D882
TD: Broken, 25 µm, blown film	40.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	1200	%	ASTM D882
TD: Broken, 25 µm, blown film	1600	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD : 25 µm, Blown Film	150	MPa	ASTM D790
1% Secant, TD : 25 µm, Blown Film	170	MPa	ASTM D790
Dart Drop Impact (25 µm, Blown Film)	130	g	ASTM D1709

Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	350	g	ASTM D1922
TD: 25 µm, blown film	670	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 25.0 µm, Blown Film)	52		ASTM D2457
Haze (25.0 µm, Blown Film)	34	%	ASTM D1003

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