Braskem PE LL5801N

Linear Low Density Polyethylene

Braskem

Message:

The LL5801N resin is a Linear Low Density Polyethylene, copolymer of octene-1, produced by solution process, for blown film extrusion with excellent mechanical properties. It contains processing aid and antioxidant additives.

General Information			
Additive	Antioxidant		
	Processing Aid		
	Slip		
Features	Antioxidant		
	Octene Comonomer		
	Slip		
Uses	Film		
	Laminates		
	Stretch Wrap		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blown Film		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm³	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	25	µm	
Tensile Strength			ASTM D882
MD : Break, 25 µm,Blown Film	50.0	MPa	
TD : Break, 25 µm,Blown Film	40.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	920	%	
TD : Break, 25 µm,Blown Film	1200	%	
Flexural Modulus			ASTM D790
1% Secant, MD : 25 µm, Blown Film	150	MPa	
1% Secant, TD : 25 µm, Blown Film	170	MPa	
Dart Drop Impact (25 µm, Blown Film)	200	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	330	g	
TD : 25 µm, Blown Film	770	g	

Optical	Nominal Value	Unit	Test Method
Gloss (60°, 25.0 μm, Blown Film)	114		ASTM D2457
Haze (25.0 μm, Blown Film)	8.0	%	ASTM D1003

Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 220	°C	

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