

Braskem PE PB-681/59

Low Density Polyethylene

Braskem

Message:

Description:
PB681/59 is a grade produced under high pressure in a tubular reactor. This resin is used for laminating films mainly on paper substrate. It is also used in the extrusion coating process. Films obtained with this product show excellent optical properties and high draw down ability.

Additive:
-Antiblock Medium
-Slip High

Applications:
Lamination film; general purpose.

General Information	
Additive	High smoothness
	Moderate caking resistance
Features	Low density
	High smoothness
	Optical
	Good stripping
	Moderate caking resistance
Uses	Films
	Laminate
	General
	Coating application
Agency Ratings	FDA 21 CFR 177.1520
Forms	Particle
Processing Method	Film extrusion
	Blow film
	Extrusion coating

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.8	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Tensile Strength			ASTM D882
MD: Fracture	30.0	MPa	ASTM D882
TD: Fracture	20.0	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Fracture	340	%	ASTM D882
TD: Fracture	1100	%	ASTM D882
Dart Drop Impact	60	g	ASTM D1709
Elmendorf Tear Strength - TD	100	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	112		ASTM D2457
Haze	5.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	110	°C	
Die Temperature	150	°C	
Extrusion instructions			

Blown FilmScrew L/D relation: 16 to 30:1Compression rate: 3 to 4:1Screen package(Mesh): 40/60/40Extruder: 140°CBlow up ratio: 2 to 3:1Frostline height: at most equivalent to the bubble diameter

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