

Braskem PE F-2523

Low Density Polyethylene

Braskem

Message:

Good sealing characteristics, optical and mechanical properties. It contains antiblock, antistatic, slip and antioxidant additives.

Application:

General purpose packaging that require good optical and mechanical properties. Recommended film thickness: 0.020-0.100mm.

General Information			
Additive	Anti-caking agent		
	Antistatic property		
	Antioxidation		
	slip agent		
Features	smoothness		
	Optical		
	Anti-caking property		
	Antistatic property		
	Antioxidation		
	Good heat sealability		
Uses	Films		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Film extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.923	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength			ASTM D882
MD: Broken, 30 µm, blown film	30.0	MPa	ASTM D882
TD: Broken, 30 µm, blown film	20.0	MPa	ASTM D882
Dart Drop Impact (30 µm, Blown Film)	60	g	ASTM D1709A
Elmendorf Tear Strength - TD (30 µm, Blown Film)	110	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 30.0 µm, Blown Film)	110		ASTM D2457
Haze (30.0 µm, Blown Film)	6.0	%	ASTM D1003
Additional Information	Nominal Value		

Blow-up Ratio	2.2:1
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Film properties: 25 µm Film Gauge, obtained in 40 mm extruder with blow up ratio of 2.2:1

Extrusion instructions

Recommended processing conditions for Blow Film Extrusion:

Temperature profile: 120 to 170°C

Blow up ratio: 1.8 to 3.0:1

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