

Braskem PE FP 33

Linear Low Density Polyethylene

Braskem

Message:

The FP33 resin is a Linear Medium Density Polyethylene, copolymer of butene-1, produced by solution process, for film extrusion with good mechanical properties.

Additive:

Processing aid

Slip

Antiblock

Application:

Thin films and automatic packaging which require higher stiffness: textile products, toilet paper and others. Recommended film thickness: 0.025 to 0.100mm.

General Information			
Additive	Antiblock		
	Processing Aid		
	Slip		
Features	Antiblocking		
	Butene Comonomer		
	Copolymer		
	Good Processability		
	Slip		
Uses	Film		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.932	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	ASTM D882
Tensile Strength			
MD : Break, 38 µm	30.0	MPa	
TD : Break, 38 µm	30.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 38 µm	990	%	
TD : Break, 38 µm	1400	%	ASTM D790
Flexural Modulus			

1% Secant, MD : 38 μm	320	MPa	
1% Secant, TD : 38 μm	380	MPa	
Elmendorf Tear Strength			ASTM D1922
MD : 38 μm	20	g	
TD : 38 μm	180	g	
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 38.0 μm)	45		ASTM D2457
Haze (38.0 μm)	44	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150 to 190	°C	

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