

Braskem PE EF2222

Low Density Polyethylene

Braskem

Message:

EF2222 is a low-density polyethylene (LDPE), with excellent processability and low gel content. Those features allow production of thin and highly uniform films.

Additives:

No additives

Application:

Smooth or embossed films for diapers, disposable sheets, etc. Films for lamination. Injection-Blow Molding. Foamed applications.

Process:

Recommended processing conditions for film extrusion about 145 - 190 °C. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

General Information			
Features	Low density		
	Low speed solidification crystal point		
	Workability, good		
Uses	Films		
	Sheet		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection blowing molding		
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)	2.2	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD: 38 µm	170	MPa	ASTM D882
1% secant, TD: 38 µm	210	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture, 38 µm	30.0	MPa	ASTM D882
TD: Fracture, 38 µm	20.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	420	%	ASTM D882
TD: Fracture, 38 µm	1100	%	ASTM D882
Dart Drop Impact ¹ (38 µm)	70	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm	480	g	ASTM D1922
TD : 38 µm	150	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method

Gloss (60°, 38.0 μm)	100		ASTM D2457
Haze	6.0	%	ASTM D1003
Extrusion instructions			
Recommended Blow Film Extrusion Conditions: Temperature Profile: 145°C to 190°C Mass Temperature: 190°C Blow up Ratio: 2.0 to 3.0 : 1 Die Gap: 1.0 mm			
NOTE			
1.	F50		

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