

Braskem PE BF-2021

Low Density Polyethylene

Braskem

Message:

Description:

BF2021 is a grade produced under high pressure in a autoclave reactor. This grade show excellent processability in cast films.

Applications:

Flat films for diapers; general purpose.

General Information	
Features	Workability, good
	High pressure heating resistance
Uses	Films
	cast film
	General
Agency Ratings	FDA 21 CFR 177.1520
Forms	Particle
Processing Method	Film extrusion
	cast film

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	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	290	%	ASTM D882
TD: Fracture	1000	%	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°)	80		ASTM D2457
Haze	10	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	115	°C	

Die Temperature	205 - 260	°C
Take-Off Roll	40.0	°C
Extrusion instructions		

Screw L/D Ratio: 20:1 Extruder: 260°C

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