

Braskem PE BF4810

High Density Polyethylene

Braskem

Message:

BF4810 is a high density high molecular weight polyethylene copolymer resin produced through Unipol ® process. It shows an excellent dart impact and puncture resistance, high tensile strength, good sealability and an outstanding processing performance.

Application:

Retail bags; perforated rolls; repackaging; bags in general.

Process:

Blown Film Extrusion

General Information			
Features	Good Processability		
	High Density		
	High Molecular Weight		
	Ultra High Impact Resistance		
Uses	Bags		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	10	g/10 min	
190°C/5.0 kg	0.45	g/10 min	
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,13 µm	20.0	MPa	
TD : Yield,13 µm	30.0	MPa	
MD : Break, 13 µm	60.0	MPa	
TD : Break, 13 µm	50.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 13 µm	580	%	
TD : Break, 13 µm	820	%	
Dart Drop Impact ¹ (13 µm)	99	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 13 µm	14	g	
TD : 13 µm	110	g	
Seal Initiation Temperature (13 µm)	125	°C	Internal Method
Additional Information	Nominal Value	Unit	Test Method

Puncture Resistance (12.5 μm)	70.0	J/m	Internal Method
NOTE			
1.	F50		

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