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/cm³	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

Recommended distributors for this material

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