

Braskem PE HF2207B5

Linear Low Density Polyethylene

Braskem

Message:

The HF2207B5 resin is a linear low density polyethylene, hexene copolymer, produced through Unipol® process and recommended for blown film extrusion. Have high impact and puncture resistance, high coefficient of friction (COF) and high weld rupture resistance.

Application:

Heavy duty bags, liners, lamination and high COF films.

Additive:

Antioxidant

Processing aid

Anti-blocking

Process:

Blown film e extrusion

General Information			
Additive	Processing aid		
	Anti-caking agent		
	Antioxidation		
Features	Low density		
	Copolymer		
	Perforation resistance		
	Anti-caking property		
	Antioxidation		
	Impact resistance, high		
Uses	Films		
	Laminate		
	Lining		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.73	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Break, 20 µm	47.0	MPa	ASTM D882
TD: Break, 20 µm	35.0	MPa	ASTM D882
Tensile Elongation			ASTM D882

MD: Break, 20 μm	990	%	ASTM D882
TD: Break, 20 μm	1300	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD : 20 μm	150	MPa	ASTM D790
1% Secant, TD : 20 μm	170	MPa	ASTM D790
Dart Drop Impact ¹ (20 μm)	140	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 20 μm	110	g	ASTM D1922
TD : 20 μm	250	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.0 μm)	50		ASTM D2457
Haze	14	%	ASTM D1003
Injection instructions			
Recommended Blow Film Conditions: Temperature Profile: 180°C to 210°C Melt Temperature: < 215°C Blow-up Ratio: 1.8:1 to 2.5:1			
NOTE			
1.	F50		

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