Braskem PE PLURIS6301

Linear Low Density Polyethylene

Braskem

Message:

Pluris6301 is a Braskem Quatropolymer produced with Spherilene technology. This grade show unique properties, such as high stiffness associated with toughness. In addition to good processability, also shows a very good bubble stability and very low gel content.
Applications:
Frozen bags, high performance structures (coextrusion) for automatic packaging (FFS).
Additive:
Antiblocking medium
Slip medium
Processing Aid medium
Process:
Blown Film Extrusion

General Information			
Additive	Processing aid Moderate caking resistance Moderate smoothness		
Features	Low density Low speed solidification crystal point Rigidity, high Workability, good Moderate caking resistance Moderate smoothness		
Uses	Packaging Bags		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.919	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.85	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D882
MD: Fracture, 38 µm	40.0	MPa	ASTM D882
TD: Fracture, 38 µm	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	900	%	ASTM D882

TD: Fracture, 38 µm	1200	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD : 38 µm	250	MPa	ASTM D790
1% Secant, TD : 38 µm	300	MPa	ASTM D790
Dart Drop Impact [1] (38 µm)	140	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm	80	g	ASTM D1922
TD : 38 µm	610	g	ASTM D1922
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (60°, 38.0 µm)	102		ASTM D2457
Haze	11	%	ASTM D1003

Extrusion instructions

Recommended Blown Film Extrusion Conditions:
Temperature Profile: 190°C to 220°C
Blow Up Ratio: 2 to 3.5:1
Die Gap: 1.8 to 2.5 mm
Screen Package: 40/60/40 mesh
Mass Temperature: >220°C

NOTE

1. F50

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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