

VENELENÉ® 1104

Linear Low Density Polyethylene
Poliolefinas Internacionales, C.A. (Polinter)

Message:

- Features:
- Excellent mechanical and optical properties.
 - High resistance of Hot Tack.
 - Excellent processability.
 - Low seal initiation temperature.
- Applications:
- Laminated or co extruded film for High Speed Automatic Packaging Food.

General Information			
Additive	Processing aid		
	Anti-caking agent		
	Antioxidation		
	slip agent		
Features	Low density		
	smoothness		
	Anti-caking property		
	Antioxidation		
	Workability, good		
Uses	Laminate		
	Food packaging		
Forms	Particle		
Processing Method	Film extrusion		
	Blow molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	35	µm	
Film Puncture Force (35 µm)	9.02	N	ASTM D3420
Tensile Strength			ASTM D882
MD: Fracture, 35 µm	47.0	MPa	ASTM D882
TD: Fracture, 35 µm	41.0	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Fracture, 35 µm	720	%	ASTM D882
TD: Fracture, 35 µm	810	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 35 µm	1000	g	ASTM D1922
TD : 35 µm	850	g	ASTM D1922
Impact Resistance, Film	500	J/cm	ASTM D1709
Toughness, Film			ASTM D882
MD	130	MPa	ASTM D882
TD	150	MPa	ASTM D882
Optical	Nominal Value	Unit	Test Method
Transmittance (35.0 µm)	80.0	%	ASTM D1003
Haze (35.0 µm)	7.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 - 210	°C	
Extrusion instructions			

Inverted Extrusion profile (descendent).

Blow up ratio (BUR): 2 - 3.

Die gap: 0.9 a 1.5 mm.

Frost line Height: 4 - 5 times Die Diameter.

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WECHAT