

VENELENÉ® 1101

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

Message:

- Features:
- Excellent mechanical and optical properties
 - Excellent processing behavior
 - Excellent resistance of Hot Tack
 - Low seal initiation temperature.
- Applications:
- Heavy duty packaging (35 Kg)
 - Secondary packaging Bags
 - Stretch Blow film

General Information	
Additive	Processing aid Antioxidation
Features	Low density Antioxidation Workability, good
Uses	Blown Film Packaging Heavy packing bag
Forms	Particle
Processing Method	Blow film Extrusion Stretch blow molding

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)	10.8	N	ASTM D3420
Tensile Strength			ASTM D882
MD: Fracture, 35 µm	55.0	MPa	ASTM D882
TD: Fracture, 35 µm	44.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 35 µm	760	%	ASTM D882

TD: Fracture, 35 µm	850	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 35 µm	1000	g	ASTM D1922
TD : 35 µm	1700	g	ASTM D1922
Impact Resistance, Film	530	J/cm	ASTM D1709
Toughness, Film			ASTM D882
MD	160	MPa	ASTM D882
TD	145	MPa	ASTM D882
Optical	Nominal Value	Unit	Test Method
Transmittance (35.0 µm)	85.0	%	ASTM D1003
Haze (35.0 µm)	5.0	%	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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