

VENELENÉ® 11U4

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

Message:

Features:
Excellent mechanical and optical properties
Excellent Hot Tack resistance

Applications:
Laminated, co extruded film for automatic food packaging (< 2 kg).
General purpose bags

General Information	
Additive	Processing aid Anti-caking agent Antioxidation slip agent
Features	Low density smoothness Anti-caking property Antioxidation Workability, good
Forms	Particle
Processing Method	Blow film Blow molding Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.923	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.4	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	35	µm	
Film Puncture Force (35 µm)	4.90	N	ASTM D3420
Tensile Strength			ASTM D882
MD: Fracture, 35 µm	34.0	MPa	ASTM D882
TD: Fracture, 35 µm	26.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 35 µm	700	%	ASTM D882
TD: Fracture, 35 µm	800	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922

MD : 35 µm	250	g	ASTM D1922
TD : 35 µm	350	g	ASTM D1922
Impact Resistance, Film	190	J/cm	ASTM D1709
Toughness, Film			ASTM D882
MD	130	MPa	ASTM D882
TD	145	MPa	ASTM D882
Optical	Nominal Value	Unit	Test Method
Transmittance (35.0 µm)	71.0	%	ASTM D1003
Haze (35.0 µm)	24	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 200	°C	
Extrusion instructions			

Inverted Extrusion profile (descendent).

Blow up ratio (BUR): 2 - 3

Die gap: 0.9 -1.2mm

Frost line Height (ALE): 4 - 5 times die diameter

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