

VENELENÉ® 11Q4

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

Message:

Features:
Excellent mechanical and optical properties.
High resistance (Hot Tack).

Applications:
Liquids automatic packaging (water, milk, Yoghurt).
Laminated or co extruded films for food packaging (< a 5 kg).
Bags for secondary packaging.

General Information	
Additive	Processing aid
	Anti-caking agent
	Antioxidation
Features	Low density
	Anti-caking property
	Antioxidation
Uses	Laminate
	Bags
	Food packaging
Forms	Particle
Processing Method	Blow film
	Blow molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.919	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Film Puncture Force (50 µm)	7.35	N	ASTM D3420
Tensile Strength			ASTM D882
MD: Break, 50 µm	38.0	MPa	ASTM D882
TD: Break, 50 µm	34.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 50 µm	750	%	ASTM D882

TD: Break, 50 µm	800	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm	300	g	ASTM D1922
TD : 50 µm	550	g	ASTM D1922
Impact Resistance, Film	270	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 (50.0 µm)	68.0	%	ASTM D1003
Haze (50.0 µm)	27	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 210	°C	
Extrusion instructions			

Inverted Extrusion profile (descendent).

Blow up Ratio (BUR): 2 -3

Die gap: 0.9 - 2.0 mm.

Frost line Height (ALE): 4 to 5 times mouthpiece diameter

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