

VENELENÉ® FD-4048

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

Message:

Features:
Excellent mechanical properties.
Excellent processability.
Applications:
Film for automatic packaging.
General purpose bags.

General Information			
Additive	Anti-caking agent		
	Antioxidation		
	slip agent		
Features	Low density		
	smoothness		
	Anti-caking property		
	Antioxidation		
	Workability, good		
Uses	Packaging		
	Films		
	Bags		
	General		
Forms	Particle		
Processing Method	Film extrusion		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Film Puncture Force (50 µm)	8.83	N	ASTM D3420
Tensile Strength			ASTM D882
MD: Break, 50 µm	22.0	MPa	ASTM D882
TD: Break, 50 µm	19.0	MPa	ASTM D882
Tensile Elongation			ASTM D882

MD: Break, 50 µm	250	%	ASTM D882
TD: Break, 50 µm	650	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm	230	g	ASTM D1922
TD : 50 µm	300	g	ASTM D1922
Impact Resistance, Film	270	J/cm	ASTM D1709
Toughness, Film			ASTM D882
MD	45.0	MPa	ASTM D882
TD	80.0	MPa	ASTM D882
Optical	Nominal Value	Unit	Test Method
Transmittance (50.0 µm)	83.0	%	ASTM D1003
Haze (50.0 µm)	11	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	130 - 180	°C	
Extrusion instructions			

Inverted Extrusion profile (descendent)

Blow up ratio (BUR): 2 - 3

Die gap: 0.7 -1.0 mm

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

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