

VENELENÉ® FB-3030

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

Message:

- Features:
Excellent mechanical properties.
Good processability.
- Applications:
Industrial bags.
Bags for Secondary packaging.
Garbage bags.
Technical film for agriculture.
Protecting cover film.
Flexible irrigation pipes.

General Information			
Additive	Anti-caking agent		
	Antioxidation		
Features	Low density		
	Anti-caking property		
	Antioxidation		
	Workability, good		
Uses	Packaging		
	Films		
	Protective coating		
	Bags		
	Piping system		
	Irrigation application		
	Agricultural application		
Forms	Particle		
Processing Method	Blow film		
	Blow molding		
	Extrusion		
	Extrusion blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.37	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method

Film Thickness - Tested	100	μm	
Film Puncture Force (100 μm)	12.7	N	ASTM D3420
Tensile Strength			ASTM D882
MD: Break, 100 μm	23.0	MPa	ASTM D882
TD: Break, 100 μm	21.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 100 μm	400	%	ASTM D882
TD: Break, 100 μm	700	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 100 μm	180	g	ASTM D1922
TD : 100 μm	450	g	ASTM D1922
Impact Resistance, Film	280	J/cm	ASTM D1709
Toughness, Film			ASTM D882
MD	70.0	MPa	ASTM D882
TD	100	MPa	ASTM D882
Optical	Nominal Value	Unit	Test Method
Transmittance (100 μm)	66.0	%	ASTM D1003
Haze (100 μm)	32	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 210	°C	
Extrusion instructions			

Blow up ratio (BUR): 2 - 3.
Die gap: 0.7 -1.2 mm.
Height of cooling line: 4 -5 times Die gap Diameter.

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