

VENELENE® FB-3003

Low Density Polyethylene
Poliiolefinas Internacionales, C.A. (Polinter)

Message:

- Features:
- Excellent mechanical properties.
 - Excellent processability.
- Applications:
- Heavy duty bags.
 - High resistance thermo shrinkable films.
 - Bags for Secondary packaging.
 - Garbage bags.
 - Technical film for agriculture.
 - Protecting cover film.
 - Flexible irrigation pipes.

General Information	
Features	Low density Workability, good
Uses	Packaging Films Protective coating Bags Irrigation application Agricultural application Heavy packing bag
Forms	Particle
Processing Method	Blow film Blow molding Extrusion Extrusion blow molding

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)	0.27	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	35	µm	
Film Puncture Force (35 µm)	14.1	N	ASTM D3420
Tensile Strength			ASTM D882
MD: Fracture, 35 µm	20.0	MPa	ASTM D882
TD: Fracture, 35 µm	19.0	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Break, 100 μm	35	%	ASTM D882
TD: Fracture, 35 μm	500	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 35 μm	200	g	ASTM D1922
TD : 35 μm	250	g	ASTM D1922
Impact Resistance, Film	280	J/cm	ASTM D1709
Toughness, Film			ASTM D882
MD	48.0	MPa	ASTM D882
TD	62.0	MPa	ASTM D882
Optical	Nominal Value	Unit	Test Method
Transmittance (35.0 μm)	66.0	%	ASTM D1003
Haze (35.0 μm)	31	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 200	°C	
Extrusion instructions			

Blow up ratio (BUR): 2 - 3.

Die gap: 0.7 -1. mm.

Frost line Height: 4 -5 times Die gap Diameter.

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