

VENELENE® FD-0348

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

Message:

Features:
Good transparency and shine.
Good processability.
Applications:
General purpose bags.
Film for automatic packing with thickness of 30-50µm.
Bottles and toys

General Information			
Additive	Anti-caking agent		
	Antioxidation		
	slip agent		
Features	Low density		
	smoothness		
	Anti-caking property		
	Antioxidation		
	Workability, good		
	Definition, high		
Uses	Films		
	Bags		
	Bottle		
	General		
	Toys		
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)	3.6	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	

Film Puncture Force (50 μm)	9.32	N	ASTM D3420
Tensile Strength			ASTM D882
MD: Break, 50 μm	23.0	MPa	ASTM D882
TD: Break, 50 μm	14.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 50 μm	180	%	ASTM D882
TD: Break, 50 μm	550	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 50 μm	550	g	ASTM D1922
TD : 50 μm	160	g	ASTM D1922
Impact Resistance, Film	270	J/cm	ASTM D1709
Toughness, Film			ASTM D882
MD	28.0	MPa	ASTM D882
TD	52.0	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	120 - 170	°C	
Extrusion instructions			

Blow up ratio (BUR): 2 - 3.

Die gap: 0.7 -1.0 mm.

Height of cooling line: 4 -5 times Die gap Diameter.

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