

VENELENE® FD-0325

Low Density Polyethylene

Poliolefinas Internacionales, C.A. (Polinter)

Message:

Features:

Excellent processability.

Good transparency and shine.

Applications:

Thermoshrinkable film with thickness lesser than 50 µm.

Film for lamination with adhesive on paper, aluminum and other materials.

General Information	
Additive	Antioxidation
Features	Low density
	Antioxidation
	Workability, good
	Definition, high
Uses	Films
	Laminate
	Adhesive
Forms	Particle
Processing Method	Blow film
	Blow molding
	Extrusion
	Extrusion blow molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm ³	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.

Frost line Height: 4 - 5 times Die Diameter.

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