

VENELENÉ® 7000F

High Density Polyethylene

Poliolefinas Internacionales, C.A. (Polinter)

Message:

Features:

Excellent mechanical properties.

Good processability.

Applications:

Merchandise bags (T - Shirt bags), trash bags, general purpose films.

General Information	
Additive	Antioxidation
Features	High density
	Antioxidation
	Workability, good
Uses	Films
	Bags
Forms	Particle
Processing Method	Blow film
	Blow molding
	Extrusion
	Extrusion blow molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.955	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.045	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	15	µm	
Film Puncture Force (15 µm)	4.41	N	ASTM D3420
Tensile Strength			ASTM D882
MD: Break, 15 µm	68.0	MPa	ASTM D882
TD: Break, 15 µm	47.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 15 µm	300	%	ASTM D882
TD: Break, 15 µm	500	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 15 µm	10	g	ASTM D1922
TD : 15 µm	230	g	ASTM D1922
Impact Resistance, Film	380	J/cm	ASTM D1709

Toughness, Film			ASTM D882
MD	140	MPa	ASTM D882
TD	140	MPa	ASTM D882
Optical	Nominal Value	Unit	Test Method
Transmittance (15.0 μm)	27.0	%	ASTM D1003
Haze (15.0 μm)	75	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 210	°C	
Extrusion instructions			

Blow up ratio (BUR): 3-4.
Die gap: 0.7 - 1.0 mm.
Frost line Height: 5-7 times Die gap Diameter.

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

