

Bapolene® LL200F

Linear Low Density Polyethylene

Bamberger Polymers, Inc.

Message:

Bapolene LL200F is a general purpose LLDPE for blown film extrusion or cast film applications. This resin offers excellent tensile and toughness properties. It is available with and without slip/antiblock additives. This product meets FDA standards for food contact applications.

General Information	
Features	High tensile strength
	Good toughness
	Compliance of Food Exposure
Uses	Lining
	Bags
	Stretch winding
Agency Ratings	FDA Food Exposure, Not Rated
Forms	Particle
Processing Method	Blow film
	cast film

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
secant modulus			ASTM D882
MD	200	MPa	ASTM D882
TD	241	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	9.00	MPa	ASTM D882
TD: Yield	9.80	MPa	ASTM D882
MD: Fracture	26.9	MPa	ASTM D882
TD: Fracture	20.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	580	%	ASTM D882
TD: Fracture	800	%	ASTM D882
Dart Drop Impact (38 µm)	82	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm	250	g	ASTM D1922

TD : 38 μm	620	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Haze	20	%	ASTM D1003
Additional Information			
Film Thickness, 2:1 blow-up ratio: 37.5μmGloss, ASTM D2457: 38%Secant Modulus, ASTM D882, MD, 0.1 mm/mm/min initial strain rate: 200 MPaSecant Modulus, ASTM D882, TD, 0.1 mm/mm/min initial strain rate: 241 MPa			
Extrusion	Nominal Value	Unit	
Melt Temperature	199 - 227	°C	

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