

# Bapolene® 345F

Medium Density Polyethylene

Bamberger Polymers, Inc.

## Message:

Bapolene 345F is a medium molecular weight film resin with excellent tensile, impact, and tear properties.

General Information			
Features	Good Impact Resistance		
	Good Tear Strength		
	Good Toughness		
	High Rigidity		
	Medium Molecular Weight		
Uses	Bags		
	Film		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.936	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.30	g/10 min	
190°C/21.6 kg	20	g/10 min	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength <sup>1</sup>			ASTM D882
MD : Break, 25 µm,Blown Film	52.0	MPa	
TD : Break, 25 µm,Blown Film	38.0	MPa	
Tensile Elongation <sup>2</sup>			ASTM D882
MD : Break, 25 µm,Blown Film	300	%	
TD : Break, 25 µm,Blown Film	780	%	
Dart Drop Impact (25 µm, Blown Film)	1300	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	380	g	
TD : 25 µm, Blown Film	370	g	
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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