

# Bapolene® 200F

## Low Density Polyethylene

### Product Description

This resin is a general purpose clarity low density polyethylene for blown film extrusion applications. It contains medium levels of slip/antiblock additives. This product meets US FDA 21 CFR 177.1520.

### General

Additive	• Antiblock: 1300 ppm	• Slip: 700 ppm	
Features	• Food Contact Acceptable • General Purpose	• Low Density • Medium Antiblocking	• Medium Slip
Uses	• Blown Film	• Film	• General Purpose
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Blown Film		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.920 g/cm <sup>3</sup>	0.920 g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Films	Typical Value (English)	Typical Value (SI)	Test Method
Film Thickness - Tested <sup>2</sup>	1.5 mil	38 µm	
Secant Modulus <sup>3</sup>			ASTM D882
1% Secant, MD	29000 psi	200 MPa	
1% Secant, TD	32000 psi	221 MPa	
Tensile Strength			ASTM D882
MD : Break	3500 psi	24.1 MPa	
TD : Break	2700 psi	18.6 MPa	
Tensile Elongation			ASTM D882
MD : Break	250 %	250 %	
TD : Break	490 %	490 %	
Dart Drop Impact	85 g	85 g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	280 g	280 g	
TD	160 g	160 g	

Optical	Typical Value (English)	Typical Value (SI)	Test Method
Haze	8.00 %	8.00 %	ASTM D1003