

# Bapolene® 200B

## Low Density Polyethylene

### Product Description

This resin is a general purpose low density polyethylene for blown film extrusion applications requiring superior clarity. This product meets US FDA 21 CFR 177.1520.

### General

Features	<ul style="list-style-type: none"> <li>• Food Contact Acceptable</li> <li>• High Clarity</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Film</li> <li>• Food Packaging</li> <li>• General Purpose</li> <li>• Industrial Applications</li> <li>• Packaging</li> </ul>
Agency Ratings	<ul style="list-style-type: none"> <li>• FDA 21 CFR 177.1520</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>• Blown Film</li> </ul>

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	1.5 mil	38 µm	
Secant Modulus			ASTM D882
1% Secant, MD	28000 psi	193 MPa	
1% Secant, TD	31000 psi	214 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	300 %	300 %	
TD : Break	500 %	500 %	
Dart Drop Impact (1.0 mil (25 µm))	95 g	95 g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	360 g	360 g	
TD	130 g	130 g	

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