

Bapolene® 270F

Low Density Polyethylene

Product Description

This resin is a low density polyethylene for blown film applications requiring superior clarity. It contains slip and antiblock additives. This product meets US FDA 21 CFR 177.1520. .

General

Additive	• Antiblock: 1600 ppm	• Slip: 725 ppm	
Features	• Antiblocking • Food Contact Acceptable	• High Clarity • Low Density	• Slip
Uses	• Bags • Blown Film	• Film • Food Packaging	• General Purpose • Packaging
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Blown Film		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.922 g/cm ³	0.922 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3 g/10 min	2.3 g/10 min	ASTM D1238

Films	Typical Value (English)	Typical Value (SI)	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	26000 psi	179 MPa	
1% Secant, TD	32000 psi	221 MPa	
Tensile Strength			ASTM D882
MD : Break	3600 psi	24.8 MPa	
TD : Break	2700 psi	18.6 MPa	
Tensile Elongation			ASTM D882
MD : Break	250 %	250 %	
TD : Break	700 %	700 %	
Dart Drop Impact	95 g	95 g	ASTM D1709

Optical	Typical Value (English)	Typical Value (SI)	Test Method
Haze	5.00 %	5.00 %	ASTM D1003