

Bapolene® 222F

Linear Low Density Polyethylene

Product Description

This resin is a general purpose LLDPE for blown film extrusion or cast film applications. This resin offers excellent tensile and toughness properties. It contains high levels of slip & antiblock additives. This product meets US FDA 21 CFR 177.1520.

General

Additive	• Antiblock: 7000 ppm	• Slip: 1400 ppm	
Features	• Antiblocking • Food Contact Acceptable	• General Purpose • Good Toughness	• High Impact Resistance • Slip
Uses	• Bags • Film	• General Purpose • Industrial Applications	• Liners • Stretch Wrap
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Blown Film	• Cast Film	• Extrusion

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.918 g/cm ³	0.918 g/cm ³	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 ²	1.0 mil	25 µm	
Secant Modulus ³			ASTM D882
1% Secant, MD	25000 psi	172 MPa	
1% Secant, TD	28200 psi	194 MPa	
Tensile Strength			ASTM D882
MD : Break	3900 psi	26.9 MPa	
TD : Break	2750 psi	19.0 MPa	
Elmendorf Tear Strength			ASTM D1922
MD	100 g	100 g	
TD	300 g	300 g	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2:1 blow-up ratio

³ 0.1 mm/mm-min Initial strain rate