

Bapolene® 222B

Butene C4 Linear Low Density Polyethylene

Product Description

This resin is a butene linear low density polyethylene for blown film applications requiring superior impact strength and toughness. This product meets US FDA 21 CFR 177.1520.

General

Features	<ul style="list-style-type: none"> • Butene Copolymer • Food Contact Acceptable 	<ul style="list-style-type: none"> • Good Toughness • High Impact Resistance 	
Uses	<ul style="list-style-type: none"> • Bags • Film 	<ul style="list-style-type: none"> • Industrial Applications • Liners 	<ul style="list-style-type: none"> • Packaging
Agency Ratings	<ul style="list-style-type: none"> • FDA 21 CFR 177.1520 		
Processing Method	<ul style="list-style-type: none"> • 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	1.0 mil	25 µm	
Secant Modulus			ASTM D882
1% Secant, MD	25000 psi	172 MPa	
1% Secant, TD	27500 psi	190 MPa	
Tensile Strength			ASTM D882
MD : Break	3900 psi	26.9 MPa	
TD : Break	2750 psi	19.0 MPa	
Tensile Elongation			ASTM D882
MD : Break	600 %	600 %	
TD : Break	700 %	700 %	
Dart Drop Impact	75 g	75 g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	110 g	110 g	
TD	350 g	350 g	