

Bapolene® 138F

Linear Low Density Polyethylene

Product Description

This resin is a hexene linear low density polyethylene for blown film applications requiring toughness and impact strength. It contains slip & antiblock additives. This product meets US FDA 21 CFR 177.1520

General

Additive	• Antiblock: 5200 ppm	• Slip: 1000 ppm	
Features	• Food Contact Acceptable	• Good Toughness	• High Impact Resistance
Uses	• Bags • Film	• Industrial Applications • Liners	• Packaging
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Film Extrusion		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.919 g/cm ³	0.919 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238

Films	Typical Value (English)	Typical Value (SI)	Test Method
Film Thickness - Tested ²	1.0 mil	25 µm	
Tensile Strength			ASTM D882
MD : Break	5500 psi	37.9 MPa	
TD : Break	4000 psi	27.6 MPa	
Tensile Elongation			ASTM D882
MD : Break	650 %	650 %	
TD : Break	880 %	880 %	
Dart Drop Impact	200 g	200 g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	300 g	300 g	
TD	650 g	650 g	