

Bapolene® 276F

Low Density Polyethylene

Product Description

Bapolene 276F is a low density polyethylene for blown film applications. It contains slip and antiblocking additives and complies with US FDA 21 CFR 177.1520.

General

Additive	• Antiblock: 2650 ppm	• Slip: 720 ppm
Features	• Antiblocking • Food Contact Acceptable	• Low Density • Slip
Uses	• Bags • Blown Film	• Film • General Purpose • Packaging
Agency Ratings	• FDA 21 CFR 177.1520	
Processing Method	• Blown Film	

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.925 g/cm ³	0.925 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
Secant Modulus			ASTM D882
1% Secant, MD	32000 psi	221 MPa	
1% Secant, TD	36000 psi	248 MPa	
Tensile Strength			ASTM D882
MD : Break	3300 psi	22.8 MPa	
TD : Break	3000 psi	20.7 MPa	
Tensile Elongation			ASTM D882
MD : Break	300 %	300 %	
TD : Break	500 %	500 %	
Dart Drop Impact	60 g	60 g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	230 g	230 g	
TD	210 g	210 g	

Optical	Typical Value (English)	Typical Value (SI)	Test Method
Gloss (60°)	105	105	ASTM D2457
Haze	7.00 %	7.00 %	ASTM D1003