

Bapolene® 270F Low Density Polyethylene Film Extrusion Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

Bapolene® 270F is an LDPE for blown film requiring superior clarity. It contains 1600 ppm antiblock and 725 ppm slip additives. This product meets the Food and Drug Administration requirements of 21CFR177.1520. Applications: General purpose packaging, produce and bakery bags. Information provided by Bamberger Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bapolene-270F-Low-Density-Polyethylene-Film-Extrusion-Resin.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	ASTM D-1505
Thickness	35.6 microns	1.40 mil	as tested; 2:1 BUR
Melt Flow	2.3 g/10 min @Load 2.16 kg, Temperature 190 °C	2.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	1600 ppm	1600 ppm	target
Slip Level	725 ppm	725 ppm	target

Mechanical Properties	Metric	English	Comments
Dart Drop	2.67 g/micron	67.8 g/mil	F₅₀; ASTM D-1709
Dart Drop Test	95.0 g @Thickness 0.0356 mm	0.209 lb @Thickness 0.00140 in	F₅₀; ASTM D-1709
Film Tensile Strength at Break, MD	24.8 MPa @Thickness 0.0356 mm	3600 psi @Thickness 0.00140 in	ASTM D-882
Film Tensile Strength at Break, TD	18.6 MPa @Thickness 0.0356 mm	2700 psi @Thickness 0.00140 in	ASTM D-882
1% Secant Modulus, MD	179 MPa @Thickness 0.0356 mm	26000 psi @Thickness 0.00140 in	ASTM D-882
1% Secant Modulus, TD	221 MPa @Thickness 0.0356 mm	32000 psi @Thickness 0.00140 in	ASTM D-882

Optical Properties	Metric	English	Comments
Haze	5 % @Thickness 0.0356 mm	5 % @Thickness 0.00140 in	ASTM D-1003

Descriptive Properties	Value	Comments
Process	Film	
Region	Europe/Turkey	Bamberger Polymers Distribution
	International	Bamberger Polymers Distribution
	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

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