

Bapolene® 105F Low Density Polyethylene Film Resin

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

Material Notes:

Description: Bapolene LD105F is an unmodified low density polyethylene which extrudes into a low gloss high impact film. It contains antiblock additives and no slip additives. This product meets the Food and Drug Administration requirements of 21CFR177.1520. Applications: Heavy duty industrial bags, industrial shrink film, construction and agriculture film. Information provided by Bamberger Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bapolene-105F-Low-Density-Polyethylene-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ASTM D-1505
Thickness	50.0 - 200 microns	1.97 - 7.87 mil	
Melt Flow	0.25 g/10 min @Load 2.16 kg, Temperature 190 °C	0.25 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	24.1 MPa	3500 psi	10 in/min; ASTM D-882
Film Tensile Strength at Yield, TD	20.7 MPa	3000 psi	10 in/min; ASTM D-882
Film Elongation at Break, MD	350 %	350 %	10 in/min; ASTM D-882
Film Elongation at Break, TD	600 %	600 %	10 in/min; ASTM D-882
Secant Modulus, MD	0.159 GPa	23.1 ksi	0.1 mm/mm-min Initial Strain Rate; ASTM D-882
Secant Modulus, TD	0.179 GPa	26.0 ksi	0.1 mm/mm-min Initial Strain Rate; ASTM D-882
Dart Drop	8.46 g/micron	215 g/mil	ASTM D-1709; F₅₀

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 220 °C	392 - 428 °F	

Descriptive Properties	Value	Comments
Process	Film	
Region	Europe/Turkey	Bamberger Polymers Distribution
	International	Bamberger Polymers Distribution

Descriptive Properties	Value	Comments
	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

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