

Formosa Plastics Formolene® L42009PE Film (Butene Grade) LLDPE

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Butene, Film

Material Notes:

Linear Low Density Polyethylene Butene Copolymer for Film Extrusion Formolene® L42009PE is a general-purpose film grade linear low density made using gas-phase technology. The resin exhibits excellent toughness and strength when drawn down to thin gauges.

Formolene® L42009PE meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact. Applications: Blending Resin, Industrial Liners, Industrial Packaging, Garment Bags and Co-Extrusion Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-L42009PE-Film-Butene-Grade-LLDPE.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	25.0 microns	0.984 mil	
Melt Flow	0.95 g/10 min @Load 2.16 kg, Temperature 190 °C	0.95 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238
Antiblock Level	1700 ppm	1700 ppm	
Slip Level	1350 ppm	1350 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	690 %	690 %	ASTM D882
Film Elongation at Break, TD	920 %	920 %	ASTM D882
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength TD	385 g	385 g	ASTM D1922
Dart Drop Test	135 g	0.298 lb	ASTM D1709
Film Tensile Strength at Break, MD	35.2 MPa	5100 psi	ASTM D882
Film Tensile Strength at Break, TD	28.5 MPa	4130 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	20 %	20 %	ASTM D1003
Gloss	40 %	40 %	45°C; ASTM D523

Processing Properties	Metric	English	Comments
Blow-up Ratio (BUR)	2.5	2.5	

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