

Formosa Plastics Formolene® L62009E2 Film (Hexene Grade) LLDPE

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

Material Notes:

Hexene Copolymer (High slip and antiblock)Applications: Blown film, general purpose filmBlown film, general purpose filmMeets 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.Film properties taken from sample 25 Microns thick, at a 4:1 Blow Up Ratio, 160 X 2.5 mm die, 250 lbs./hrInformation provided by Formosa Plastics Corporation, USA.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-L62009E2-Film-Hexene-Grade-LLDPE.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in³	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	7000 ppm	7000 ppm	
Slip Level	1500 ppm	1500 ppm	[ppm]

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	520 %	520 %	ASTM D882
Film Elongation at Break, TD	780 %	780 %	ASTM D882
Elmendorf Tear Strength, MD	15.7 g/micron	400 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	24.8 g/micron	630 g/mil	ASTM D1922
Dart Drop	6.30 g/micron	160 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	32.8 MPa	4750 psi	ASTM D882
Film Tensile Strength at Break, TD	24.0 MPa	3490 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	21 %	21 %	ASTM D1003
Gloss	33 %	33 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
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Blow Up Ratio Descriptive Properties	4 to 1 Value	Comments
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