

Formosa Plastics Formolene® L62009H Film (Hexene Grade) LLDPE

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

Material Notes:

Hexene Copolymer (Barefoot) Applications: Higher AO package for cast and stretch film Higher AO package for cast and stretch film 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. Film properties taken from sample 25 Microns thick, at a 4:1 Blow Up Ratio, 160 X 2.5 mm die, 250 lbs./hr Information provided by Formosa Plastics Corporation, USA.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-L62009H-Film-Hexene-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

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
Blow Up Ratio	4 to 1	

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