

Formosa Plastics Formolene® L62030B 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: Cast stretch film and high quality packaging films requiring clarity and toughness. A Hexene Copolymer Linear Low Density Polyethylene for film applications including cast stretch film and high quality packaging films requiring clarity and toughness. Available with different additive packages. 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. Actual film properties may vary depending on operating conditions. Information provided by Formosa Plastics Corporation, USA.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-L62030B-Film-Hexene-Grade-LLDPE.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	25.0 microns	0.984 mil	
Melt Flow	3.2 g/10 min @Load 2.16 kg, Temperature 190 °C	3.2 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	550 %	550 %	ASTM D882
Film Elongation at Break, TD	850 %	850 %	ASTM D882
Elmendorf Tear Strength, MD	10.8 g/micron	275 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	22.6 g/micron	575 g/mil	ASTM D1922
Dart Drop	3.54 g/micron	90.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	44.82 MPa	6500 psi	ASTM D882
Film Tensile Strength at Break, TD	33.09 MPa	4800 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	1.4 %	1.4 %	ASTM D1003
Gloss	98 %	98 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Blow Up Ratio	4 to 1	

Descriptive Properties	Value	Comments
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