

M. Holland Company MAGMA® LM311-DX LLDPE (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

Material Notes:

Features: Good Processability, Good Puncture Resistance, Good Tear Strength, Good Toughness
Processing Method: Extrusion
Information provided by M. Holland.

Order this product through the following link:

http://www.lookpolymers.com/polymer_M-Holland-Company-MAGMA-LM311-DX-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.875 g/cc	0.0316 lb/in ³	ASTM D1505
Thickness	31.8 microns	1.25 mil	
Melt Flow	4.5 g/10 min	4.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	950 %	950 %	ASTM D882
Film Elongation at Break, TD	980 %	980 %	ASTM D882
Elmendorf Tear Strength MD	580 g	580 g	ASTM D1922
Elmendorf Tear Strength TD	820 g	820 g	ASTM D1922
Dart Drop Test	>= 1000 g	>= 2.20 lb	ASTM D1709
Film Tensile Strength at Break, MD	56.5 MPa	8200 psi	ASTM D882
Film Tensile Strength at Break, TD	47.0 MPa	6820 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	75.0 °C	167 °F	

Processing Properties	Metric	English	Comments
Feed Temperature	<= 154 °C	<= 310 °F	
Zone 1	154 °C	310 °F	
Melt Temperature	166 - 204 °C	330 - 400 °F	
Die Opening	0.0810 - 0.254 cm	0.0319 - 0.100 in	
Blow-up Ratio (BUR)	1.5 - 3.0	1.5 - 3.0	

Descriptive Properties	Value	Comments
Form	Pellets	

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