

M. Holland Company MAGMA® LL1091-K LLDPE (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Blow Molding Grade

Material Notes:

Features: Good Heat Seal, Good Processability, 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-LL1091-K-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	31.8 microns	1.25 mil	
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 20.0 MPa	>= 2900 psi	ASTM D882
Film Elongation at Break, MD	590 %	590 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Elmendorf Tear Strength MD	460 g	460 g	ASTM D1922
Elmendorf Tear Strength TD	890 g	890 g	ASTM D1922
Dart Drop Test	290 g	0.639 lb	ASTM D1709
Film Tensile Strength at Break, MD	39.3 MPa	5700 psi	ASTM D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	127 °C	260 °F	

Processing Properties	Metric	English	Comments
Feed Temperature	<= 149 °C	<= 300 °F	
Zone 1	149 °C	300 °F	
Melt Temperature	182 - 232 °C	360 - 450 °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	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Form		Pellets	

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