

M. Holland Company MAGMA® LL1092-K LLDPE (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Sheeting 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-LL1092-K-LLDPE-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|---------------------------|------------|
| Density | 0.921 g/cc | 0.0333 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 | >= 21.4 MPa | >= 3100 psi | ASTM D882 |
| Film Elongation at Break, MD | 610 % | 610 % | ASTM D882 |
| Film Elongation at Break, TD | 700 % | 700 % | ASTM D882 |
| Elmendorf Tear Strength MD | 470 g | 470 g | ASTM D1922 |
| Elmendorf Tear Strength TD | 880 g | 880 g | ASTM D1922 |
| Dart Drop Test | 310 g | 0.684 lb | ASTM D1709 |
| Film Tensile Strength at Break, MD | 39.6 MPa | 5750 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | 21.4 MPa | 3100 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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