

M. Holland Company LL104 LLDPE (discontinued **)

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

Material Notes:

Additives: Antiblock, Slip
 Features: Unspecified Antiblocking, Butene Comonomer, Copolymer, Good Drawdown, Good Processability,
 Unspecified Slip
 Uses: Film, Liners
 Approvals: FDA 21 CFR 177.1520(c) 2.2 and ASTM D 1248, I, Class A, Cat. 1
 Processing Method: Blown
 Film
 Information provided by M. Holland.

Order this product through the following link:

http://www.lookpolymers.com/polymer_M-Holland-Company-LL104-LLDPE-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|------------|
| Density | 0.920 g/cc | 0.0332 lb/in ³ | ASTM D1505 |
| Thickness | 31.8 microns | 1.25 mil | |
| Melt Flow | 0.90 g/10 min @Load 2.16 kg, Temperature 190 °C | 0.90 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|-----------|----------|----------------------|
| Film Elongation at Break, MD | 570 % | 570 % | ASTM D882 |
| Film Elongation at Break, TD | 760 % | 760 % | ASTM D882 |
| Secant Modulus, MD | 0.228 GPa | 33.1 ksi | 1% Strain; ASTM D882 |
| Secant Modulus, TD | 0.283 GPa | 41.0 ksi | 1% Strain; ASTM D882 |
| Coefficient of Friction | 0.80 | 0.80 | ASTM D1894 |
| Elmendorf Tear Strength MD | 190 g | 190 g | ASTM D1922 |
| Elmendorf Tear Strength TD | 560 g | 560 g | ASTM D1922 |
| Dart Drop Test | 80.0 g | 0.176 lb | ASTM D1709 |
| Film Tensile Strength at Break, MD | 38.6 MPa | 5600 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | 27.6 MPa | 4000 psi | ASTM D882 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature | 182 - 221 °C | 360 - 430 °F | |
| Blow-up Ratio (BUR) | 1.5 - 2.5 | 1.5 - 2.5 | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

| Descriptive Properties | Value ¹⁹ | Comments |
|------------------------|---------------------|----------|
| Form | Pellets | |
| Slip | Various | |

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