

Mapolene LLH1901 is a general purpose film grade hexene linear low density polyethylene resin made using gas-phase technology. This resin exhibits excellent toughness and strength when drawn down to thin gauges and is available in various additive packages.

**Mapolene LLH1901**

|                                    |            |      |
|------------------------------------|------------|------|
| <b>Polyethylene<br/>Blown Film</b> | Melt Index | .95  |
|                                    | Density    | .919 |

| Properties <sup>1</sup>                                | ASTM       | Units             | Value               |
|--|------------|-------------------|---------------------|
| Melt Index (190°C/2.16 kg)                             | ASTM D1238 | g/10 min          | .95                 |
| Density  | ASTM D1505 | g/cm <sup>3</sup> | .919                |
| <b><i>Nominal Blown Film Properties at 1.0 mil</i></b> |            |                   |                     |
| Tensile Strength @ Break                               | ASTM D882  | psi               | MD (TD) 4750 (3485) |
| Elongation @ Break                                     | ASTM D882  | %                 | MD (TD) 520 (780)   |
| Dart Drop  | ASTM D1709 | g/mil             | 160                 |
| Elmendorf Tear Strength                                | ASTM D1922 | g/mil             | MD (TD) 400 (630)   |
| Gloss, 45°   | ASTM D523  |                   | 33                  |
| Haze   | ASTM D1003 | %                 | 21                  |

This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

<sup>1</sup>Properties will vary and are not to be used for specification purposes.