



### VINPOL™ LH00240

Linear Low Density Polyethylene

Melt Index: 0.25

Density: 0.940

**VINPOL LH00240** is a medium density ethylene-hexene copolymer, blown film grade with high stiffness and shrink along with good optical properties. Excellent bubble stability leads to high output capability in monolayer and coextruded films. Applications include collation shrink, compression packaging, lamination film and multilayer packaging film. This product is TNPP-free.

| Resin Property                    | Typical Value              | Units             | Test Method     |
|-----------------------------------|----------------------------|-------------------|-----------------|
| Melt Index, 2.16 Kg at 190 °C     | 0.25                       | g/10 min          | ASTM D-1238     |
| Density                           | 0.940                      | g/cm <sup>3</sup> | ASTM D-1505     |
| Peak Melting Temperature          | 262 (128)                  | °F (°C)           | Supplier Method |
| Tensile Strength at Yield (MD/TD) | 2800 (19) / 3500 (24)      | psi (MPa)         | ASTM D-882      |
| Tensile Strength at Break (MD/TD) | 9700 (70) / 7000 (49)      | psi (MPa)         | ASTM D-882      |
| Elongation at Break (MD/TD)       | 490 / 810                  | %                 | ASTM D-882      |
| Secant Modulus (1%)               | 78000 (540) / 110000 (730) | Psi (MPa)         | ASTM D-882      |
| Dart Drop Impact                  | 60                         | g                 | ASTM D-1709     |
| Elmendorf Tear Strength (MD/TD)   | 10 / 600                   | g                 | ASTM D-1922     |
| Puncture Force                    | 11 (50)                    | lbf (N)           | Supplier Method |
| Puncture Energy                   | 19 (2.2)                   | In-lb (J)         | Supplier Method |
| Haze                              | 21                         | %                 | ASTM D-1003     |
| Gloss (45°)                       | 26                         |                   | ASTM D-2457     |

Vinmar Polymers America cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their purposes. The data listed herein falls within the normal range of product properties, but they should not be used to establish specification limits or used alone as the basis of design.

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