



VINPOL™ LD02021 Series

Low Density Polyethylene

Melt Index: 2.0

Density: 0.921

VINPOL LD02021 Series is a low density polyethylene blown film grade that is suitable for general purpose clear film applications. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

| Resin Property | Typical Value | Units | Test Method |
|-----------------------------------|---------------|----------|-------------|
| Melt Index, 2.16 Kg at 190 °C | 2.0 | g/10 min | ASTM D-1238 |
| Density | 0.921 | g/cm3 | ASTM D-4883 |
| Tensile Strength at Break (MD/TD) | 3700/3000 | psi | ASTM D-882 |
| Elongation at Break (MD/TD) | 150/550 | % | ASTM D-882 |
| Secant Modulus (MD/TD) | 30000/35000 | psi | ASTM D-882 |
| Elmendorf Tear Strength (MD/TD) | 450/100 | g | ASTM D-1922 |
| Dart Drop | 100 | g | ASTM D-1709 |
| Haze | 7 | % | ASTM D-1003 |

| Additive \ Suffix | -B | -C |
|-------------------|----|--------|
| Antiblock | - | Medium |
| Slip | - | Medium |

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 particular 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.