



Formosa Plastics®

Formolene® LDPE

Formolene® FL2202C

Liner LDPE Resin with no Slip or Antiblock

Formolene® FL2202C is a low density polyethylene offering good balance of optical and mechanical properties. Formolene® FL2202C is formulated without slip and antiblock for use in film applications offering excellent extrusion processing and film optical properties.

Formolene® FL2202C 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.

Suggested Applications:

| | | |
|----------------|------------------------------|-------------------|
| Blend Partner | Freezer Film | Mail Bags |
| Food Packaging | Lamination Film | Shoppers |
| Foams | Compounding | Textile Packaging |
| Liners | Form Fill and Seal Packaging | |

Nominal Physical Properties:

| PROPERTY | TEST METHOD | UNIT | VALUE |
|--|-------------|----------|--------------|
| Density | D792 | g/cc | 0.923 |
| Melt Index, Condition E, 190C°/2.16 kg | D1238 | g/10 min | 2.0 |
| Dart Impact | D1709 | g | 80 |
| Elmendorf Tear Strength | D1922 | g | 150/120* |
| Tensile Strength at Yield | D882 | psi | 1600/1600* |
| Tensile Strength at Break | D882 | psi | 3600/3200* |
| Elongation at Break | D882 | % | 330/550* |
| Secant Modulus @ 1% | D882 | psi | 30000/33000* |
| Gloss (45°) | D2457 | | 63 |
| Haze | D1003 | % | 6.1 |

* MD / TD

Note: Film properties based on 1.5 mil (38.1 micron) thick film produced on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 340-360°F (171-182°C), a 30 mil (0.76 mm) die gap at a rate of 8 lbs/hr/in die circumference (1.43 kg/hr/cm). Actual film properties may vary based on extrusion equipment, operating conditions and additive package. Film properties are not intended to be used as specifications.

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