



Formosa Plastics®

Formolene® LDPE

Formolene® FR2225K3

Fractional Melt LDPE Resin with Antiblock

Formolene® FR2225K3 is a low-density polyethylene exhibiting medium optical properties in film. Formolene® FR2225K3 is formulated with antiblock for use in high performance film applications offering excellent extrusion processing and outstanding melt strength characteristics suitable for thick film gauges and large lay flat widths.

Formolene® FR2225K3 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:

| | | |
|---------------------|-----------------------------------|-------------------|
| Agricultural Film | Heavy Duty Bags | Foams |
| Construction Film | Pallet Shrink Film | Profile Extrusion |
| Food Packaging Film | High Performance Collation Shrink | |

Nominal Physical Properties:

| PROPERTY | TEST METHOD | UNIT | VALUE |
|--|-------------|----------|--------------|
| Density | D792 | g/cc | 0.924 |
| Melt Index, Condition E, 190°C/2.16 kg | D1238 | g/10 min | 0.25 |
| Dart Impact | D1709 | g | 220 |
| Elmendorf Tear Strength | D1922 | g | 150/120* |
| Tensile Strength at Break | D882 | psi | 4000/3900* |
| Elongation at Break | D882 | % | 350/600* |
| Secant Modulus @ 1% | D882 | psi | 31600/35400* |
| Haze | D1003 | % | 16.0 |

* MD / TD

Note: Film properties based on 2.0 mil (50.8 micron) thick blown film produced with a 150 mm (5.90 in.) die diameter, a 1.0 mm (39.4 thou) die gap, a 2.5:1 Blow Up Ratio, and a specific output rate of 8.5 (lb./hr.)/in. die circ. 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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