



Formosa Plastics®

Formolene® LDPE

Formolene® FR2375K

Fractional Melt LDPE Resin with Antiblock

Formolene® FR2375K is a low density polyethylene with films exhibiting good stiffness and optical properties. Formolene® FR2375K is formulated with antiblock for use in film applications offering excellent extrusion processing and very good balance of mechanical and optical properties.

Formolene® FR2375K meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520 for food packaging, covering safe use of polyolefin articles intended for direct food contact.

Suggested Applications:

Agricultural Film	Collation Shrink	Medium Duty Shrink Film
Blend Partner	Freezer Film	Mattress Covers
Co-Extrusion	Lamination Film	Form Fill and Seal Packaging

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	0.75
Dart Impact	D1709	g	180
Elmendorf Tear Strength	D1922	g	350/150*
Tensile Strength at Break	D882	psi	4000/3200*
Elongation at Break	D882	%	310/530*
Secant Modulus @ 1%	D882	psi	35000/40000*
Haze	D1003	%	10.2

* MD / TD

Note: Film properties based on 1.97 mil (50 micron) thick film produced using a 7.9 inch (200 mm) die and 39.4 mil (1.0 mm) die gap with a 2.5:1 Blow-Up Ratio and temperature profile of 356 - 374°F (180 - 190°C). 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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