


Formosa Plastics®
Formolene® LDPE

Formolene® FR2375C

Fractional Melt LDPE Resin with no Slip or Antiblock

Formolene® FR2375C is a low density polyethylene with films exhibiting good stiffness and optical properties. Formolene® FR2375C is formulated without slip and antiblock for use in film applications offering excellent extrusion processing and very good balance of mechanical and optical properties.

Formolene® FR2375C 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	Collation Shrink	Medium Duty Shrink Film
Blend Partner	Freezer Film	Shoppers
Co-Extrusion	Lamination Film	Form Fill and Seal Packaging

Nominal Physical Properties:

PROPERTY	TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.923
Melt Index, Condition E, 190C°/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*
Gloss (45°)	D2457		59
Haze	D1003	%	8.4

* 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.

Published 12/1/2020

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However because of numerous factors affecting results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statements herein, therefore, should not be construed as representations or warranties. Statements concerning the use of the products of formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

©Formosa Plastics Corporation, U.S.A.

Formolene® & Formolon® are registered trademarks of FPC USA