



Formosa Plastics®

Formolene® LDPE

Formolene® FR2233C

Fractional Melt LDPE Resin with no Slip or Antiblock

Formolene® FR2233C is a low density polyethylene exhibiting medium optical properties in film. Formolene® FR2233C is formulated without slip and 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® FR2233C 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
Blend Partner	High Performance Collation Shrink	

Nominal Physical Properties:

PROPERTY	TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.922
Melt Index, Condition E, 190C°/2.16 kg	D1238	g/10 min	0.33
Dart Impact	D1709	g	490
Elmendorf Tear Strength	D1922	g	260/460*
Tensile Strength at Yield	D882	psi	1800/1700*
Tensile Strength at Break	D882	psi	2900/2500*
Elongation at Break	D882	%	280/540*
Secant Modulus @ 1%	D882	psi	33000/41000*
Gloss (45°)	D2457		45
Haze	D1003	%	15.0

* 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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