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	D792	g/cc	0.922
Melt Index, Condition E, 190C°/2.16 kg	D1238	g/10 min	0.33
Dart Impact	D1709	g	186
Elmendorf Tear Strength	D1922	g	159/115*
Tensile Strength at Yield	D882	psi	2067/1809*
Tensile Strength at Break	D882	psi	4289/3303*
Elongation at Break	D882	%	302/582*
Secant Modulus @ 1%	D882	psi	27300/42500*
Gloss (45°)	D2457		25
Haze	D1003	%	29.0

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

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