



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	D1505	g/cc	0.924
Melt Index, Condition E, 190C°/2.16 kg	D1238	g/10 min	0.25
Dart Impact	D1709	g	186
Elmendorf Tear Strength	D1922	g	159/115*
Tensile Strength at Break	D882	psi	4289/3303*
Elongation at Break	D882	%	302/582*
Secant Modulus @ 1%	D882	psi	27300/42500*
Haze	D1003	%	25.0

* 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.

Published 01/09/2023

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