



Formosa Plastics®

Formolene® HDPE

Formolene® E924

High Molecular Weight High Density Polyethylene (HMW-HDPE) for Film Extrusion

Formolene® E924 is a bi-modal HMW-HDPE resin designed for high dart impact strength and good processing characteristics. Formolene® E924 is well balanced in overall physical properties and provides good stiffness for thin gauge film applications.

Formolene® E924 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:

- T-Shirt Bags
- Industrial Liners
- Trash Can Liners
- Heavy Duty Bags

Nominal Physical Properties:

PROPERTY**	ASTM TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.949
Melt Index, Condition E,	D1238	g/10 min.	0.04
Condition E, 190°C/2.16 kg (MI)	D1238	g/10 min.	8.50
Condition F, 190°C/21.6 kg (HLMI)			
Melting Point	DSC	°C	131.0
Typical Film Properties:			
Dart Impact	D1709	g/mil.	210
Elmendorf Tear Strength	D1922	g/mil.	*14/25
Tensile Strength at Break	D882	psi.	*9,000/4,100
Elongation	D882	%	*300/410

* MD / TD

Note: Film Properties based on 0.50 mil film produced in laboratory conditions at a Blow Up Ratio of 4.0 and a stalk height of 5X the die diameter. Actual film properties may vary depending on operating conditions and additive packages. Film properties are not intended to be used as specifications.

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EMS 35710

