



Formosa Plastics®

Technical Data Sheet

Formolene® HDPE

Formolene E924

Melt Index – 0.04

Density – 0.949

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. The resin 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

Trash Can Liners

Industrial liners

Heavy Duty Bags

Nominal Physical Properties

PROPERTY**	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)	DSC	°C	131.0
Melting Point			
<u>Typical Film Properties</u>			
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	D746	%	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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