

FORMOLENE E924

High Molecular Weight High Density Polyethylene

Formolene E924

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

Melt Index – 0.04

Density – 0.949

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, Condition E, 190 °C/2.16 kg (MI)	D1238	g/10 min.	0.04
Condition F, 190 °C/21.6 kg (HLMI)	D1238	g/10 min.	8.50
Melting Point	DSC	°C	131.0
<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 25 Micron blown film produced with a 2.5:1 Blow Up Ratio. Actual film properties may vary depending on operating conditions and additive packages. Film properties are not intended to be used as specifications.

** Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, and with the European standards 85/572/EEC, 90/128/EEC y 97/48/EEC covering safe use of polyolefin articles intended for direct food contact.

*** The reported values are typical and do not constitute a warranty but a guide for the diverse application possibilities.