



Formosa Plastics®



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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
Trash Can Liners
Industrial 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 |
| 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.

Published 8/04, Revised 8/10

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