



Formosa Plastics® Formolene® E922

Formolene® HDPE

Medium Molecular Weight High Density Polyethylene (MMW-HDPE) Bimodal Resin Designed for Film Extrusion Applications

Formolene® E922 is a medium molecular weight grade of HDPE designed for good processing characteristics and good film stiffness for thin gauge film applications.

Formolene® E922 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:

- Shopping Bags
- Trash Can Liners
- Thin Film for Laminate Applications

| PROPERTY | ASTM TEST METHOD | UNIT | VALUE |
|---|------------------|-------------------|-----------------|
| Typical Resin Properties for E922: | | | |
| Melt Index | D1238 | g/10 min. | 0.15 |
| Density | D1505 | g/cm ³ | 0.953 |
| Melting Point | DSC | °C | 132 |
| Typical E922 Film Properties: | | | |
| Dart Drop Impact strength | D1709 | g/mil | 190 |
| Elmendorf Tear Strength | D1922 | g/mil. | 16/200* |
| Tensile Strength at Break | D882 | Psi. | 8300/5900* |
| Tensile Elongation at Break | D882 | % | 300/540* |
| 1% Secant Modulus | D882 | psi. | 84,000/145,000* |

*MD/TD

Note: Film properties are not intended to be used as specifications. They represent 0.50 mil film produced in laboratory conditions at a blow-up ratio of 4.0:1 and a stalk height of 8 times the die diameter. Output: 14.5 Lbs/Hr./In. Die Circumference.

Published 11/01/07, Revised 11/10/16

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 422-7772

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting the results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statements herein, therefore, should not be construed as representations or warranties. The responsibility of FORMOSA PLASTICS CORPORATION, U.S.A. for any claims arising out of breach of warranty, negligence, strict liability or otherwise is limited to the purchase price of the material. Statements concerning the use of the products of formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.