

## Formosa Plastics Formolene® E922 Film HDPE

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

### Material Notes:

High Density Polyethylene Medium Molecular Weight Bi-Modal Resin Designed for Film 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. Applications: Shopping Bags, Trash Can Liners and Thin Film for Laminate

Applications Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Formosa-Plastics-Formolene-E922-Film-HDPE.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-E922-Film-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in <sup>3</sup>	ASTM D1505
Thickness	19.0 microns	0.750 mil	
Melt Flow	0.15 g/10 min	0.15 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	390 %	390 %	ASTM D882
Film Elongation at Break, TD	640 %	640 %	ASTM D882
Elmendorf Tear Strength MD	13 g	13 g	ASTM D1922
Elmendorf Tear Strength TD	220 g	220 g	ASTM D1922
Dart Drop Test	240 g	0.529 lb	ASTM D1709
Film Tensile Strength at Break, MD	51.7 MPa	7500 psi	ASTM D882
Film Tensile Strength at Break, TD	52.4 MPa	7600 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	132 °C	270 °F	DSC

Processing Properties	Metric	English	Comments
Blow-up Ratio (BUR)	4.0	4.0	

**Contact Songhan Plastic Technology Co.,Ltd.**

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