Manufacturer website: https://www.fpcusa.com/

Formosa Plastics®

Formolene® E922

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/cm³	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.

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