

Formolene® E922

High Density (MMW) Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

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

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	Medium Molecular Weight		
Uses	Bags		
	Film		
	Laminates		
	Liners		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.15	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	19	µm	
Tensile Strength			ASTM D882
MD : Break, 19 µm,Blown Film	51.7	MPa	
TD : Break, 19 µm,Blown Film	52.4	MPa	
Tensile Elongation			ASTM D882
MD : Break, 19 µm,Blown Film	390	%	
TD : Break, 19 µm,Blown Film	640	%	
Dart Drop Impact (19 µm, Blown Film)	240	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 19 µm, Blown Film	13	g	

TD : 19 μm, Blown Film	220	g	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	132	°C	DSC

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