Formolene® E924F

High Density (HMW) Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

High Density Polyethylene High Molecular Weight Bi-Modal Resin for Film Applications
Formolene® E924F is a "low gel" high molecular weight grade of HDPE designed for high dart impact strength and good processing characteristics. Formolene® E924F is well balanced in overall physical properties and provides good stiffness for thin gauge film applications requiring high quality printing.
Formolene® E924F 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.

General Information			
Features	Excellent Printability		
	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	High Impact Resistance		
	High Molecular Weight		
	Low Gel		
Uses	Bags		
	Film		
	Heavy-duty Bags		
	Laminates		
	Laundry Bags		
	Liners		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		

Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.040	g/10 min	
190°C/21.6 kg [1]	8.5	g/10 min	

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	13	µm	
Tensile Strength			ASTM D882
MD : Break, 13 µm	62.1	MPa	
TD : Break, 13 µm	28.3	MPa	
Tensile Elongation			ASTM D882

MD : Break, 13 µm	300	%	
TD : Break, 13 µm	410	%	
Dart Drop Impact (13 µm)	210	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 13 µm	14	g	
TD : 13 µm	25	g	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	131	°C	DSC
NOTE			
1.	HLMI		

Recommended distributors for this material

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