Formolene® E-924

High Density (HMW) Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

Formolene E924 is a bi-modal HMW-HDPE resin designed for high dart impact strength and good processing characteristics. The resin is well balanced in overall physical properties and provides good stiffness for thin gauge film applications.
Formolene E924 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	Food Contact Acceptable Good Processability Good Stiffness High Impact Resistance		
Uses	Bags Heavy-duty Bags Industrial Applications Laundry Bags Liners		
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Film Extrusion		
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 [1]	0.040	g/10 min	
190°C/21.6 kg [2]	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.	MI		
2.	HLMI		

Recommended distributors for this material

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