

Formolene® E900

High Density (HMW) Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

High Density Polyethylene High Molecular Weight Bi-Modal Resin for Non-Pressure Pipe Extrusion Applications

Formolene® E900 is a high molecular weight high density polyethylene (HMW-HDPE) resin designed for non-pressure pipe applications.

Formolene® E900 is well balanced in overall physical properties and provides good stiffness for extrusion applications.

General Information	
Features	Good Stiffness
	High Molecular Weight
Uses	Corrugated Pipe
	Piping
Agency Ratings	EC 1907/2006 (REACH)
Forms	Pellets
Processing Method	Extrusion
	Pipe Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.040	g/10 min	
190°C/21.6 kg	8.5	g/10 min	
Environmental Stress-Cracking Resistance			
-- ¹	400	hr	ASTM F2136
10% Igepal	> 500	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	24.8	MPa	ASTM D638
Tensile Elongation ³ (Break)	> 600	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -118	°C	ASTM D746

NOTE	
1.	15% Yield Stress, NCLS
2.	50 mm/min
3.	50 mm/min

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