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

Formosa Plastics®

Formolene® HDPE

Formolene® E900

High Molecular Weight High Density Polyethylene (HMW-HDPE) Bimodal Resin Designed 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.

Suggested Applications:
Corrugated Pipe
Non-Pressure Pipe Extrusion Applications

Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.949
Melt Index,			
Condition E, 190°C/2.16 kg	D1238	g/10 min.	0.04
Condition F, 190°C/21.6 kg	D1238	g/10 min.	8.5
Tensile Strength at Yield, (50 mm/min)	D638	psi.	3,600
Tensile Elongation at Break, (50 mm/min)	D638	%	>600
Brittleness Temperature	D746	°F	<-180
Environmental Stress Crack Resistance, ESCR, Condition B			
10% Igepal	D1693	hrs.	>500
ESCR by NCTL @ 15% yield Stress	F2136	hrs.	400

The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.

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Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 422-7772

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