

Formolene® E602

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® E602 is a high performance copolymer that is designed for the most demanding requirements of corrugated pipe applications.

Formolene® E602 meets the requirements of the PPI third party certification program for use in AASHTO M294 corrugated pipe.

Formolene® E602 has a cell class of 436460/446460 per ASTM D3350-05.

General Information			
Features	Copolymer		
	High Molecular Weight		
Uses	Agricultural Applications		
	Corrugated Pipe		
	Piping		
	Plumbing Parts		
Agency Ratings	AASHTO M294		
	ASTM D 3350 PE438460		
	ASTM D 3350 PE446460		
	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.15	g/10 min	
190°C/21.6 kg	21	g/10 min	
Environmental Stress-Cracking Resistance			
Compression Molded ¹	> 24.0	hr	ASTM F2136
100% Igepal, Compression Molded, F50	> 150	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Compression Molded)	26.9	MPa	ASTM D638
Tensile Elongation ³ (Break, Compression Molded)	> 600	%	ASTM D638
Flexural Modulus (Compression Molded)	1240	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ⁴	< -90.0	°C	ASTM D746
NOTE			

1.	NCLS
2.	Type IV, 51 mm/min
3.	Type IV, 51 mm/min
4.	Compression Molded

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

