

Formosa Plastics Formolene® E602 Pipe HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Pipe Grade

Material Notes:

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 Applications: Highway Drainage Pipe, Agricultural Drainage Pipe and Storm Water Drainage Pipe Physical properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928. Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-E602-Pipe-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	>= 24 hour	>= 24 hour	ESCR by NCLS; ASTM F2136
ESCR 100% Igepal®	>= 150 hour	>= 150 hour	Condition B, F₅₀; ASTM D1693
Melt Flow	0.15 g/10 min @Load 2.16 kg, Temperature 190 °C	0.15 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238
High Load Melt Index	21 g/10 min @Load 21.6 kg, Temperature 190 °C	21 g/10 min @Load 47.6 lb, Temperature 374 °F	Condition F; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.9 MPa	3900 psi	2" (50mm) per min, Type IV; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2" (50mm) per min, Type IV; ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -90.0 °C	<= -130 °F	ASTM D746

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