

Formosa Plastics Formolene® E900 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® 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. Applications: Corrugated Pipe and Non-Pressure Pipe Extrusion Applications Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-E900-Pipe-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.949 g/cc	0.0343 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	400 hour @Strain 15.0 %	400 hour @Strain 15.0 %	ESCR by NCLS; ASTM F2136
ESCR 10% Igepal®	>= 500 hour	>= 500 hour	Condition B; ASTM D1693
Melt Flow	0.040 g/10 min @Load 2.16 kg, Temperature 190 °C	0.040 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238
High Load Melt Index	8.5 g/10 min @Load 21.6 kg, Temperature 190 °C	8.5 g/10 min @Load 47.6 lb, Temperature 374 °F	Condition F; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	>= 600 %	>= 600 %	2" (50mm) per min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -118 °C	<= -180 °F	ASTM D746

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