

Formosa Plastics Formolene® HP6000 Pipe HDPE

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

Material Notes:

High Density Polyethylene Homopolymer for Pipe Extrusion Formolene® HP6000 is a high quality product for homopolymer pipe extrusion applications. It has excellent stiffness and good stiffness properties. Applications: Corrugated Pipe, Drain Tile and Composite

Lumber Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-HP6000-Pipe-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.964 g/cc	0.0348 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	10 hour	10 hour	Condition B, F _{>50} ; ASTM D1693
ESCR 100% Igepal®	15 - 20 hour	15 - 20 hour	Condition A, F _{>50} ; ASTM D1693
Melt Flow	0.65 g/10 min @Load 2.16 kg, Temperature 190 °C	0.65 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.3 MPa	4400 psi	2" (50mm) per min, Type IV; ASTM D638
Elongation at Break	>= 300 %	>= 300 %	2" (50mm) per min, Type IV; ASTM D638
Flexural Modulus	1.65 GPa	240 ksi	ASTM D790

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

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