

Formolene® HP6000

High Density Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

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.

General Information			
Features	Good Stiffness		
	Homopolymer		
Uses	Construction Applications		
	Corrugated Pipe		
	Piping		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.964	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.65	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
Compression Molded, F50	10.0	hr	ASTM D1693B
100% Igepal, Compression Molded, F50	15.0 to 20.0	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	30.3	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	> 300	%	ASTM D638
Flexural Modulus (Compression Molded)	1650	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -118	°C	ASTM D746
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		

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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

