

HI-ZEX™ 3600F

High Density Polyethylene

Prime Polymer Co., Ltd.

Message:

HI-ZEX™ 3600F is a High Density Polyethylene product. It can be processed by film extrusion and is available in Asia Pacific, Europe, or North America. Applications of HI-ZEX™ 3600F include film and packaging. Characteristics include:
High Stiffness
High Strength

General Information			
Features	High Stiffness		
	High Strength		
Uses	Film		
	Packaging		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	10.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	66		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1200	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	26.0	MPa	ISO 527-2
Tensile Strain (Break, Injection Molded)	> 500	%	ISO 527-2
Flexural Modulus (Injection Molded)	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	10	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ISO 306
Melting Temperature	133	°C	ISO 11357-3

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