

HI-ZEX™ 5000H

High Density Polyethylene

Prime Polymer Co., Ltd.

Message:

HI-ZEX™ 5000H is a High Density Polyethylene product. It can be processed by extrusion and is available in Asia Pacific, Europe, or North America. Applications of HI-ZEX™ 5000H include industrial applications and sheet. Primary characteristic: good stiffness.

General Information			
Features	Good Stiffness		
Uses	Industrial Applications		
	Sheet		
Processing Method	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)	0.10	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 600	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	1400	MPa	ISO 527-2
Tensile Stress (Yield, Compression Molded)	29.0	MPa	ISO 527-2
Tensile Strain (Break, Compression Molded)	> 500	%	ISO 527-2
Flexural Modulus (Compression Molded)	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	9.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306
Melting Temperature	132	°C	ISO 11357-3

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