

# HI-ZEX™ 1300J

High Density Polyethylene

Prime Polymer Co., Ltd.

## Message:

HI-ZEX™ 1300J is a High Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Typical application: Industrial Applications. Primary characteristic: good stiffness.

General Information			
Features	Good Flow		
	Good Stiffness		
Uses	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.961	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	12	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	3.00	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Injection Molded)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1100	MPa	ISO 527-2
Tensile Stress (Yield, Injection Molded)	27.0	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	4.0	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ISO 306
Melting Temperature	134	°C	ISO 11357-3

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## Recommended distributors for this material

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