

# HI-ZEX™ 3000B

High Density Polyethylene

Prime Polymer Co., Ltd.

## Message:

HI-ZEX™ 3000B is a High Density Polyethylene product. It can be processed by blow molding and is available in Asia Pacific, Europe, or North America. Applications of HI-ZEX™ 3000B include containers and industrial applications. Primary characteristic: low to no odor/taste.

General Information			
Features	Low to No Odor		
Uses	Food Containers		
	Industrial Applications		
Processing Method	Blow 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)	0.63	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	24.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	1500	MPa	ISO 527-2
Tensile Stress (Yield, Compression Molded)	31.0	MPa	ISO 527-2
Tensile Strain (Break, Compression Molded)	> 500	%	ISO 527-2
Flexural Modulus (Compression Molded)	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	6.0	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ISO 306
Melting Temperature	134	°C	ISO 11357-3

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