

# HI-ZEX™ 520MB

High Density Polyethylene

Prime Polymer Co., Ltd.

## Message:

HI-ZEX™ 520MB is a High Density Polyethylene product. It can be processed by blow molding and is available in Asia Pacific, Europe, or North America.

Typical application: Containers.

Characteristics include:

Good Stiffness

Impact Resistant

General Information			
Features	Good Impact Resistance Good Stiffness		
Uses	Containers		
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)	0.25	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	45.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	68		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Compression Molded)	1400	MPa	ISO 527-2
Tensile Stress (Yield, Compression Molded)	31.0	MPa	ISO 527-2
Tensile Strain (Break, Compression Molded)	< 100	%	ISO 527-2
Flexural Modulus (Compression Molded)	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	14	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ISO 306
Melting Temperature	136	°C	ISO 11357-3

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Recommended distributors for this material

**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

