

HI-ZEX™ 8800B

High Density Polyethylene

Prime Polymer Co., Ltd.

Message:

HI-ZEX™ 8800B 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 | 0.952 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.040 | 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) | 63 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (Compression Molded) | 1100 | MPa | ISO 527-2 |
| Tensile Stress (Yield, Compression Molded) | 26.0 | MPa | ISO 527-2 |
| Tensile Strain (Break, Compression Molded) | > 500 | % | ISO 527-2 |
| Flexural Modulus (Compression Molded) | 1100 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Unnotched Impact Strength | No Break | | ISO 179 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 123 | °C | ISO 306 |
| Melting Temperature | 132 | °C | ISO 11357-3 |

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