

HI-ZEX™ 1108J

High Density Polyethylene

Prime Polymer Co., Ltd.

Message:

HI-ZEX™ 1108J 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 ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 8.0 | g/10 min | ISO 1133 |
| Environmental Stress-Cracking Resistance | 4.00 | 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) | 1300 | 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) | 1300 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Unnotched Impact Strength | 4.0 | kJ/m ² | 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

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



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