

Halene P M108

Polypropylene Homopolymer
Haldia Petrochemicals Ltd.

Message:

M108 is a Polypropylene Homopolymer, produced by the latest generation Spheripol II Technology. This homopolymer is primarily suitable for Injection Molding Process. M108 combines easy processability with high strength.

| General Information | | | |
|--|---------------------|-------------------|-------------------------|
| Features | Good Processability | | |
| | High Strength | | |
| | Homopolymer | | |
| Uses | General Purpose | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density ¹ | 0.900 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, Injection Molded) | 30.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield, Injection Molded) | 7.0 | % | ASTM D638 |
| Flexural Modulus (Injection Molded) | 1300 | MPa | ASTM D790A |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, Injection Molded) | 35 | J/m | ASTM D256A |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 94.0 | °C | ASTM D648 |
| Vicat Softening Temperature | 152 | °C | ASTM D1525 ² |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 180 to 260 | °C | |
| Middle Temperature | 180 to 260 | °C | |
| Front Temperature | 180 to 260 | °C | |
| Nozzle Temperature | 180 to 260 | °C | |
| Mold Temperature | 30.0 to 40.0 | °C | |
| NOTE | | | |
| 1. | 23°C | | |
| 2. | Loading 1 (10 N) | | |

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