

Moplen HP548N

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Moplen HP548N is a homopolymer for injection moulding with nucleation and antistatic additivation.
Moplen HP548N exhibits good stiffness and flowability.
The main applications of Moplen HP548N are cylindrical containers, closures and housewares.
For regulatory information please refer to Moplen HP548N Product Stewardship Bulletin (PSB)

| General Information | | | |
|---|-------------------|-------------------|-------------|
| Additive | Antistatic | | |
| | Nucleating Agent | | |
| Features | Antistatic | | |
| | Good Flow | | |
| | Good Stiffness | | |
| | Homopolymer | | |
| | Nucleated | | |
| Uses | Caps | | |
| | Closures | | |
| | Containers | | |
| | Household Goods | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 11 | g/10 min | ISO 1133 |
| Hardness | Nominal Value | Unit | Test Method |
| Ball Indentation Hardness (H 358/30) | 78.0 | MPa | ISO 2039-1 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 1700 | MPa | ISO 527-2 |
| Tensile Stress (Yield) | 36.0 | MPa | ISO 527-2 |
| Tensile Strain | | | ISO 527-2 |
| Yield | 9.0 | % | |
| Break | > 50 | % | |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C) | 2.5 | kJ/m ² | ISO 179/1eA |
| Thermal | Nominal Value | Unit | Test Method |

| | | | |
|--|------|----|-------------|
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 95.0 | °C | ISO 75-2/B |
| Vicat Softening Temperature | | | |
| -- | 154 | °C | ISO 306/A50 |
| -- | 94.0 | °C | ISO 306/B50 |

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