

Jampilen EP448T

Polypropylene Copolymer
Jam Polypropylene Company

Message:

Jampilen EP448T is a heterophasic copolymer for injection molding applications containing nucleation and antistatic additivation. Jampilen EP448T has very good flowability and impact/stiffness balance. The main applications of Jampilen EP448T are thin walled packaging, housewares and closures.

| General Information | | | |
|---|------------------------|-------------------|-------------|
| Additive | Antistatic | | |
| | Nucleating Agent | | |
| Features | Antistatic | | |
| | Copolymer | | |
| | Good Flow | | |
| | Good Impact Resistance | | |
| | High Stiffness | | |
| | Nucleated | | |
| Uses | Caps | | |
| | Closures | | |
| | Food Containers | | |
| | Household Goods | | |
| | Sporting Goods | | |
| | Thin-walled Containers | | |
| | Toys | | |
| Processing Method | | Injection Molding | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.905 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 48 | g/10 min | ISO 1133 |
| Hardness | Nominal Value | Unit | Test Method |
| Ball Indentation Hardness (H 358/30) | 62.0 | MPa | ISO 2039-1 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 1350 | MPa | ISO 527-2 |
| Tensile Stress (Yield) | 27.0 | MPa | ISO 527-2 |
| Tensile Strain | | | ISO 527-2 |
| Yield | 5.0 | % | |
| Break | 40 | % | |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength | | | ISO 179/A |


| -20°C | 2.5 | kJ/m ² | |
|--|---------------|-------------------|-------------|
| 0°C | 3.5 | kJ/m ² | |
| 23°C | 5.0 | kJ/m ² | |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 90.0 | °C | ISO 75-2/B |
| Vicat Softening Temperature | 151 | °C | ISO 306/A50 |

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