

Technical Data Sheet

Moplen RP398T HP



Polypropylene, Random Copolymer

Product Description

Moplen RP398T HP is a random copolymer for injection moulding with nucleation and antistatic addition. *Moplen RP398T HP* offers a high flowability and transparency combines with good organoleptic performance. *Moplen RP398T HP* is typically used by customers in thin walled packaging requiring high transparency and organoleptic properties.

This grade is not intended for medical and pharmaceutical applications.

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|--------------------------|------------------------------------------------------------------------------------------------------------|
| Application | Clear Containers; Housewares; Sports, Leisure & Toys |
| Market | Consumer Products; Rigid Packaging |
| Processing Method | Injection Molding |
| Attribute | Contains Antistat; Good Organoleptic Properties; High Flow; High Transparency; Nucleated; Random Copolymer |

| Typical Properties | Nominal Value | Units | Test Method |
|-------------------------------------------------------|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 40 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 0.90 | g/cm ³ | ISO 1183-1 |
| Mechanical | | | |
| Tensile Modulus | 1100 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield | 28 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break | >50 | % | ISO 527-1, -2 |
| Tensile Strain at Yield | 14 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C, Type 1, Edgewise, Notch A) | 5 | kJ/m ² | ISO 179 |
| (0 °C, Type 1, Edgewise, Notch A) | 2.5 | kJ/m ² | ISO 179 |
| Thermal | | | |
| Vicat Softening Temperature, (A50) | 127 | °C | ISO 306 |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 70 | °C | ISO 75B-1, -2 |
| Optical | | | |
| Haze, (1 mm - injection molded disc) | 9 | % | ASTM D1003 |