

## Technical Data Sheet

### Moplen RP348T HP



Polypropylene, Random Copolymer

#### Product Description

Moplen RP348T HP is a random copolymer for injection molding with a clarifier and antistatic based additivation, offering a very good flowability and transparency.

Moplen RP348T HP is typically used in thin walled packaging and appreciated by customers for its good aesthetic appearance. It can be processed at significantly low temperature, allowing energy savings and improved productivity due to reduced cycle times.

#### Regulatory Status

For regulatory compliance information, see Moplen RP348T HP [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

This grade is not intended for medical and pharmaceutical applications.

|                   |                                                            |
|-------------------|------------------------------------------------------------|
| Status            | Commercial: Active                                         |
| Availability      | Africa-Middle East; Europe                                 |
| Application       | Clear Containers; Housewares; Sports, Leisure & Toys       |
| Market            | Consumer Products; Rigid Packaging                         |
| Processing Method | Injection Molding                                          |
| Attribute         | Contains Antistat; High Flow; High Transparency; Nucleated |

| Typical Properties                                    | Nominal Value | Units             | Test Method   |
|-------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                       |               |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                      | 48            | g/10 min          | ISO 1133-1    |
| Density, (23 °C)                                      | 0.90          | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                     |               |                   |               |
| Tensile Modulus                                       | 1100          | MPa               | ISO 527-1, -2 |
| Tensile Stress at Yield                               | 29            | MPa               | ISO 527-1, -2 |
| Tensile Strain at Break                               | >50           | %                 | ISO 527-1, -2 |
| Tensile Strain at Yield                               | 11            | %                 | ISO 527-1, -2 |
| <b>Impact</b>                                         |               |                   |               |
| Charpy Impact Strength - Notched                      |               |                   |               |
| (23 °C, Type 1, Edgewise, Notch A)                    | 4.5           | kJ/m <sup>2</sup> | ISO 179       |
| (0 °C, Type 1, Edgewise, Notch A)                     | 2.5           | kJ/m <sup>2</sup> | ISO 179       |
| <b>Thermal</b>                                        |               |                   |               |
| Vicat Softening Temperature, (A50)                    | 130           | °C                | ISO 306       |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 70            | °C                | ISO 75B-1, -2 |
| <b>Optical</b>                                        |               |                   |               |
| Haze, (1 mm - injection molded disc)                  | 9             | %                 | ASTM D1003    |

#### Notes

These are typical property values not to be construed as specification limits.