Technical Data Sheet

# *Moplen* EP548T

Polypropylene, Impact Copolymer

## Product Description

*Moplen* EP548T is a heterophasic copolymer used in injection molding. This grade is characterized by a high flow, medium stiffness combined with a Nucleation and an antistatic additivation.
*Moplen* EP548T is typically used by customers in thin walled packaging, margarine tubs and housewares.

## Regulatory Status

For regulatory compliance information, see *Moplen* EP548T Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

This grade is not intended for medical and pharmaceutical applications.

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|---|---|
| **Status** | Commercial: Active |
| **Availability** | Africa-Middle East; Europe |
| **Application** | Housewares; Opaque Containers |
| **Market** | Consumer Products; Rigid Packaging |
| **Processing Method** | Injection Molding |
| **Attribute** | Contains Antistat; Good Impact Resistance; Good Stiffness; High Flow; Impact Copolymer; Nucleated |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 48 | g/10 min | ISO 1133-1 |
| Density | 0.90 | g/cm³ | ISO 1183-1 |
| **Mechanical** | | | |
| Tensile Modulus | 1350 | 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 | 5 | % | ISO 527-1, -2 |
| **Impact** | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C, Type 1, Edgewise, Notch A) | 4 | kJ/m² | ISO 179 |
| (0 °C, Type 1, Edgewise, Notch A) | 2.5 | kJ/m² | ISO 179 |
| (-20 °C, Type 1, Edgewise, Notch A) | 2 | kJ/m² | ISO 179 |
| **Thermal** | | | |
| Vicat Softening Temperature, (A50) | 152 | °C | ISO 306 |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 98 | °C | ISO 75B-1, -2 |

## Notes

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