Technical Data Sheet

Moplen HP548R

Polypropylene, Homopolymer

Product Description

Moplen HP548R is a nucleated homopolymer with antistatic additivation used for injection moulding applications. *Moplen* HP548R exhibits a good stiffness combined with a good flowability. *Moplen* HP548R is typically used by customers in the production of caps, closures, furniture and housewares.

This grade is not intended for medical and pharmaceutical applications.

| Application | Caps & Closures; Furniture; Housewares; Opaque Containers |
|-------------------|---|
| Market | Consumer Products; Rigid Packaging |
| Processing Method | Injection Molding |
| Attribute | Contains Antistat; Medium Flow; Medium Stiffness; Nucleated |

| | Nominal | | |
|---|---------|----------|---------------|
| Typical Properties | Value | Units | Test Method |
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 23 | g/10 min | ISO 1133-1 |
| Density, (23 °C) | 0.90 | g/cm³ | ISO 1183-1 |
| Mechanical | | | |
| Tensile Modulus | 1600 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield | 35 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break | >50 | % | ISO 527-1, -2 |
| Tensile Strain at Yield | 8 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 2.7 | kJ/m² | ISO 179 |
| Thermal | | | |
| Vicat Softening Temperature, (A50) | 154 | °C | ISO 306 |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 95 | °C | ISO 75B-1, -2 |

