

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

Typical Properties	Nominal 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/cm ³	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/m ²	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