

## Technical Data Sheet

### Moplen HP400R



Polypropylene, Homopolymer

#### Product Description

Moplen HP400R is a homopolymer polypropylene used by customers for injection moulding applications. It exhibits a high fluidity combined with a good stiffness.

Moplen HP 400R is suitable for food contact.

This grade is not intended for medical and pharmaceutical applications.

<b>Application</b>	Furniture; Housewares
<b>Market</b>	Consumer Products
<b>Processing Method</b>	Compounding; Injection Molding
<b>Attribute</b>	Medium Flow; Medium Stiffness

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Tensile Modulus	1350	MPa	ISO 527-1, -2
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	3	kJ/m <sup>2</sup>	ISO 179
<b>Hardness</b>			
Ball Indentation Hardness, (H 358/30)	70	MPa	ISO 2039-1
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	154	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	90	°C	ISO 75B-1, -2