

## Technical Data Sheet

### *Moplen* HP504N



Polypropylene, Homopolymer

#### Product Description

*Moplen* HP504N is a polypropylene homopolymer.

*Moplen* HP504N is used by customers for technical compounds.

<b>Application</b>	Automotive Parts
<b>Market</b>	Compounding; Rigid Packaging
<b>Processing Method</b>	Compounding; Injection Molding
<b>Attribute</b>	Good Stiffness; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	9.5	g/10 min	ISO 1133-1
Density	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1500	MPa	ISO 178
Tensile Modulus	1500	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	35	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	10	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C)	3.5	kJ/m <sup>2</sup>	ISO 179