

## Technical Data Sheet

<b>Product Name</b>	<b>Polypropylene HIPOLEN P</b>
<b>Grade</b>	<b>MA 3</b>
<b>Polymer Type</b>	Polypropylene homopolymer
<b>Processing Method</b>	Injection molding
<b>Applications</b>	<ul style="list-style-type: none"><li>• <b>Parts for various appliances and furniture</b></li><li>• <b>Household goods</b></li><li>• <b>Toys</b></li><li>• <b>Caps and closures</b></li></ul>
<b>Product Description</b>	HIPOLEN P MA 3 is high flow homopolymer with conventional molecular weight distribution, intended for injection molding. Grade MA 3 provides excellent processability and good part densification. End products have improved characteristics, consistent shrinkage, uniform mechanical properties and excellent resistance to stress-cracking agents.
<b>Packaging and Designation</b>	HIPOLEN P is packaged in coated PP valve bags with a net weight of 25 kg each. 55 bags in 11 layers are set on wood pallet and overwrapped with thermo-shrink film. Pallet net weight is 1375 kg and dimensions are: length 1300 mm, width 1100 mm and height is approximately 2000 mm. Following data are printed on every bag: Polypropylene grade, lot number and batch number.
<b>Storage Conditions</b>	Pallets with PP should be stored in common storage areas at temperatures between 0°C and +40°C, protected from direct sunlight, rain and heat sources. PP is combustible polymer and regular measures of fire-fighting should be taken in storage areas. At least 8 hours before processing, conditioning of PP pellets at ambient temperature in production rooms is recommended.

Property	Testing Method	Nominal Value	Unit
<b>Melt Flow Rate MFR</b>	ASTM D1238 (230°C; 2,16 kg)	<b>11</b>	g/10 min
<b>Index of Isotacticity</b>	ISO/DIS 1873-1	<b>98</b>	% wt
<b>Tensile Strength at Yield</b>	ASTM D638	<b>32</b>	MPa
<b>Flexural Modulus</b>	ASTM D790	<b>1400</b>	MPa
<b>IZOD Impact Resistance</b>	ASTM D256 (23°C, notched)	<b>3,4</b>	kJ/m <sup>2</sup>

Note: Mechanical property values carried out on compression molded test specimens.

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