

Technical Data Sheet

Product Name	Polypropylene HIPOLEN P
Grade	MA 4
Polymer Type	Polypropylene homopolymer
Processing Method	Injection molding
Applications	<ul style="list-style-type: none">• Parts for various appliances and furniture• Household goods• Toys• Caps and closures
Product Description	HIPOLEN P MA 4 is medium flow homopolymer with conventional molecular weight distribution, intended for injection molding. Grade MA 4 is designed for medium speed injection processes. This polymer provides excellent balance of end product key characteristics, relatively high impact and creep properties, good surface quality and dimensional stability.
Packaging and Designation	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.
Storage Conditions	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.

Product Property	Testing Method	Nominal Value	Unit
Melt Flow Rate MFR	ASTM D1238 (230°C; 2,16 kg)	5	g/10 min
Index of Isotacticity	ISO/DIS 1873-1	98	% wt
Tensile Strength at Yield	ASTM D638	32	MPa
Flexural Modulus	ASTM D790	1350	MPa
IZOD Impact Resistance	ASTM D256 (23°C, notched)	3,6	kJ/m ²

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

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