

Technical Data Sheet

Product Name	Polypropylene HIPOLEN P
Grade	FB 4T
Polymer Type	Polypropylene homopolymer
Processing Method	Sheet extrusion for thermoforming
Applications	<ul style="list-style-type: none">• High transparency thermoformed packages• Dairy cups and containers• Cups for water and coffee vending machines• Trays for sweet-meats and other foodstuffs
Product Description	<p>HIPOLEN P FB 4T is medium flow, nucleated polypropylene homopolymer with improved optical properties. Grade FB 4T is designed for sheet extrusion processes with enhanced processing stability for multiple-pass recycling. Packages made from FB 4T have high transparency and surface gloss.</p> <p>This grade complies with European Commission Regulation (EU) No. 10/2011 relating to plastic materials intended to come into contact with foodstuffs.</p>
Packaging and Designation	<p>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. Every bag is labeled with following data: Polypropylene grade, lot number and batch number.</p>
Storage Conditions	<p>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.</p>

Property	Testing Method	Nominal Value	Unit
Melt Flow Rate MFR	ASTM D1238 (230°C; 2,16kg)	3,3	g/10 min
Index of Isotacticity	ISO/DIS 1873-1	98	% wt
Tensile Strength at Yield	ASTM D638	36	MPa
Flexural Modulus	ASTM D790	1600	MPa
IZOD Impact Resistance	ASTM D256 (23°C, notched)	3,9	kJ/m ²

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

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