



ISPLEN® PB171H

ISPLEN PB171H is a copolymer with high melt flow rate, high stiffness, even at low temperatures and good processability. This product is available in black color.

APPLICATIONS

- Automotive: under bonnet parts and colour savers.
- Technical pieces, in general.

Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	METHOD
General			
Melt flow rate (230°C/2.16Kg)	11	g/10min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural modulus of elasticity	< 2000	MPa	ISO 178
Tensile strength at yield	23	MPa	ISO 527-2
Tensile strain at yield	7	%	ISO 527-2
Charpy impact strength (23°C, notched)	20	kJ/m ²	ISO 179
Charpy impact strength (23°C, unnotched)	NB	kJ/m ²	ISO 179
Charpy impact strength (0°C, notched)	7	kJ/m ²	ISO 179
Charpy impact strength (0°C, unnotched)	NB	kJ/m ²	ISO 179
Thermal			
Vicat softening temperature A120 (10N)	150	°C	ISO 306
Vicat softening temperature A120 (50N)	72	°C	ISO 306
HDT 0.45 MPa	85	°C	ISO 75
HDT 1.8 MPa	53	°C	ISO 75
Others			
Shore hardness D	65	-	ISO 868
Moulding shrinkage (S _{Mp} /S _{Mn})	1.8 – 2.2	%	ISO 294-4

STORAGE

ISPLEN® PB171H should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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Technical Data
Sheet

ISPLEN® Polypropylene



Chemicals

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