

Isplen® Polypropylene

Chemicals

Technical data sheet



ISPLEN® PB 130 G1F

DESCRIPTION

ISPLEN® PB 130 G1F is a heterophasic copolymer with medium-low fluidity designed for extrusion applications.

It has good processability and high mechanical properties especially high impact strength, even at low temperatures.

ISPLEN® PB 130 G1F can be easily coloured during the extrusion process using the right pigments, preferably in the form of concentrates with a higher melt flow rate than the base polymer.

TYPICAL APPLICATIONS

In extrusion and blow-moulding processes, such as:

- Films and sheets with a good surface gloss
- Pipes
- Blow- moulding

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

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (230°C, 2.16 kg)	1.3	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1100	MPa	ISO 178
Tensile Strength at Yield	27	MPa	ISO 527-2
Charpy Impact Strength Notched 23 °C	30	kJ/m ²	ISO 179
Charpy Impact Strength Notched -20 °C	6	kJ/m ²	ISO 179
Thermal			
Vicat (10N)	150	°C	ISO 306
Heat Deflection Temperature 0.45 MPa	74	°C	ISO 75
Others			
Shore Hardness	60	D Scale	ISO 868

ISPLEN® PB 130 G1F complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

STORAGE

ISPLEN® PB 130 G1F 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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