

Isplen® Polypropylene

Chemicals
Technical data sheet


ISPLEN® PB170G1F

DESCRIPTION

ISPLEN® PB 170 G1F is a medium-high fluidity heterophasic copolymer characterised by its good balance of properties.

It is characterised by good balance of properties: High stiffness, good impact strength even at low temperatures, low gel level, good clarity films and easy processability. Also its particular characteristics offer a multi-purpose grade largely used in the consumer, packaging and a wide variety of appliance industries.

TYPICAL APPLICATIONS

Non oriented film extrusion processes, cast or tubular quench:

- Single layer films
- Core-layer in co-extruded cast films
- Packaging of foodstuffs and non-food stuffs
- Stationery packaging

Recommended melt temperature range from 190 to 230°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (230°C, 2.16 kg)	12	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1200	MPa	ISO 178
Charpy impact strength /notched, 23°C	8	KJ/m ²	ISO 179
Thermal			
HDT (0.45 MPA)	85	°C	ISO 75
Others			
Shore Hardness	62	%	ASTM D868

ISPLEN® PB 170 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 170 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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