

ISPLEN® PB 170 G1F

Polypropylene Impact Copolymer

REPSOL

Message:

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.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	High Stiffness		
	Low Gel		
	Low Temperature Impact Resistance		
	Medium Clarity		
	Medium Flow		
Uses	Cast Film		
	Film		
	Food Packaging		
	Non-oriented Film		
	Packaging		
	Stationary Supplies		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Cast Film		
	Coextrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	62		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 230	°C	

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