

ISPLEN® PB 130 G1F

Polypropylene Impact Copolymer

REPSOL

Message:

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.

General Information			
Features	Food Contact Acceptable		
	Good Colorability		
	Good Processability		
	High Impact Resistance		
	Low Temperature Impact Resistance		
	Medium Flow		
Uses	Blow Molding Applications		
	Film		
	Piping		
	Sheet		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Blow Molding		
	Extrusion		
	Pipe Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m ²	
23°C	14	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	74.0	°C	ISO 75-2/B
Vicat Softening Temperature	150	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 250	°C	

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