

ISPLEN® PB 170 G2M

Polypropylene Impact Copolymer
REPSOL

Message:

ISPLEN® PB 170 G2M is a medium-high fluidity heterophasic copolymer characterised by its good balance of properties. Its molecular structure determines low viscosity and very good flow that permits to fill complex or large moulds with long flow paths obtaining short cycle times and an excellent balance of impact strength and high stiffness to allow the manufacturing of thin-walled articles with good mechanical resistance.

TYPICAL APPLICATIONS

The particular characteristics of ISPLEN® PB 170 G2M offer a multi-purpose grade intended for use in applications in which high mechanical properties are appreciated in addition with good processability:

- Domestic and leisure furniture.
- Square boxes and round storage containers for consumer appliances.
- Lids, caps and closures.
- Industrial components: toys, sports, leisure, automotive, storage organizers, packaging...
- Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	High Stiffness		
	Low Viscosity		
	Medium Flow		
Uses	Appliance Components		
	Automotive Applications		
	Caps		
	Closures		
	Containers		
	Furniture		
	Industrial Applications		
	Lids		
	Packaging		
	Sporting Goods		
	Thin-walled Parts		
	Toys		
Agency Ratings		EU Food Contact, Unspecified Rating	
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
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	

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