

# ISPLEN® PB 140 G2M

Polypropylene Impact Copolymer  
REPSOL

Message:

ISPLEN® PB 140 G2M is a heterophasic copolymer with medium-low fluidity designed for injection moulding applications where very high impact properties, even at low temperatures, is necessary combined with good procesability. Among other technical advantages, ISPLEN® PB 140 G2M offers: Production of items exposed to heavy loads that needs high toughness.  
Good flow properties enable to fill complex moulds.

TYPICAL APPLICATIONS

Due to its excellent balance of properties some of the major applications of ISPLEN® PB 140 G2M are consumer goods as industrial handling or packaging containers, housewares and indoor furniture, suitcases and boxes with living hinge (i.e. tool boxes). Also is suitable for technical components: toys, sports equipment, leisure goods, automotive, pallets, crates and pails.

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 Processability		
	Low Temperature Impact Resistance		
	Medium Flow		
	Ultra High Impact Resistance		
	Ultra High Toughness		
Uses	Automotive Applications		
	Crates		
	Furniture		
	Household Goods		
	Industrial Applications		
	Living Hinges		
	Luggage		
	Packaging		
	Pails		
	Pallets		
	Sporting Goods		
	Toys		
Agency Ratings		EU Food Contact, Unspecified Rating	
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	74.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	

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#### Recommended distributors for this material

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