

ISPLEN® PB 150 G2M

Polypropylene Impact Copolymer

REPSOL

PROSPECTOR®

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Technical Data

Product Description

ISPLEN® PB 150 G2M is a medium fluidity heterophasic copolymer characterised by its good balance of properties: excellent impact strength, even at low temperatures, good stiffness and easy processability. Due to its excellent flow properties is very suitable to fill complex or large moulds with long flow paths.

TYPICAL APPLICATIONS

The particular characteristics of ISPLEN® PB 150 G2M offers a multi-purpose grade used for packaging and in a wide variety of appliance industries. Typical applications are:

- Crates, containers, pails and buckets for domestic and industrial uses.
- Tool boxes and organizers with integral hinge.
- Battery boxes and other automotive components.
- Appliance industries: stadium seats, flooring slats, farm equipments, toys, sports...

Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line.

General

Material Status	• Commercial: Active		
Literature ¹	• Processing - Injection Molding (English) • Technical Datasheet (English)		
Search for UL Yellow Card	• REPSOL		
Availability	• Europe	• North America	
Features	• Food Contact Acceptable • Good Impact Resistance	• Good Processability • Good Stiffness	• Low Temperature Impact Resistance • Medium Flow
Uses	• Appliance Components • Automotive Applications • Battery Cases • Containers	• Crates • Industrial Applications • Living Hinges • Pails	• Seats • Sporting Goods • Toys
Agency Ratings	• EU Food Contact, Unspecified Rating		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.905 g/cm ³	0.905 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0 g/10 min	7.0 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Flexural Modulus	167000 psi	1150 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	4.3 ft·lb/in ²	9.0 kJ/m ²	ISO 179
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore D)	60	60	ISO 868
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	180 °F	82.0 °C	ISO 75-2/B
Injection	Nominal Value (English)	Nominal Value (SI)	
Processing (Melt) Temp	374 to 482 °F	190 to 250 °C	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

