TECHNICAL DATA SHEET

Repsol Isplen® PB150G2M

REPSOL ISPLEN PB150G2M is a phthalate free 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.

Applications:

The particular characteristics of REPSOL ISPLEN PB150G2M offer 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 optimized for each production line.

Properties:

Properties	Value	Unit	Test Method
General			
Melt Flow Rate (230°C/2.16 kg)	7	g/10 min	ISO 1133
Density at 23°C	905	kg/m^3	ISO 1183
Mechanical			
Flexural Modulus of Elasticity	1150	MPa	ISO 178
Charpy Impact Strength (23°C, notched)	10	kJ/m^2	ISO 179
Thermal			
HDT 0.45 MPa	82	°C	ISO 75
Others			
Shore Hardness	60	-	ISO 868

Storage:

REPSOL ISPLEN PB150G2M should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes or undesired migration of additives included in its formulation which may have a negative influence on the processability and properties of the transformed product.

This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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Disclaimer:

This grade complies with the European regulations for materials for use in food contact. This grade is not intended to be used in medical, pharmaceutical, or healthcare applications, therefore Repsol does not authorize its use in them.

Repsol does not grant express or implicit guarantees that extend beyond the description contained herein. Nothing herein shall constitute any guarantee of merchantability or fitness for a particular purpose. Before using a product sold by Repsol, users must make their own independent determination that the product is safe, legal, and technically suitable for its intended use. Repsol does not assume any responsibility for the use of its materials together with other materials.

Related documents:

The following related documents are available on request, and represent various aspects on the usability and safety of the product:

- Safety data sheet.
- Statement on compliance with food contact regulations.

Recommended consumption period: 12 months from the date of delivery to the customer.

June 2026

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