Isplen® Polypropylene

Chemicals Technical data sheet

REPSOL

# ISPLEN® PB 150 G2M

ISPLEN® PB150G2M 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® PB150G2M 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 250ºC. Processing conditions should be optimised for each production line.

| PROPERTIES | VALUE | UNIT | TEST METHOD |
|---|---|---|---|
| **General** | | | |
| Melt Flow Rate (230 °C; 2.16 kg) | 7 | g/10 min | ISO 1133 |
| Density | 905 | kg/m$^3$ | ISO 1183 |
| **Mechanical** | | | |
| Flexural Modulus | 1150 | MPa | ISO 178 |
| Charpy Impact Strength Notched (23 °C) | 9 | kJ/m$^2$ | ISO 179 |
| **Thermal** | | | |
| Heat Deflection Temperature | 82 | °C | ISO 75/B |
| **Others** | | | |
| Shore Hardness | 60 | D Scale | ISO 868 |

ISPLEN® PB150G2M complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

## STORAGE

ISPLEN® PB150G2M should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60ºC and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

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