

Technical Data Sheet

**REPSOL
YPF**

**ISPLEN®
POLYPROPYLENE**

ISPLEN[®] PB 141 G2M

Isplen[®] PB 141 G2M is a low-medium fluidity heterophasic copolymer with specific structural modifications intended for injection moulding applications that combine a very high impact strength, moderate stiffness and good processability.

Among other technical advantages **Isplen[®] PB 141 G2M** offers:

- Highly suitable for manufacturing of articles with high strength at very low temperatures.
- Easy flow enables to fill moulds with complex geometry or big articles that is not common in a grade with this melt flow rate.
- Low warpage and high dimensional stability.

TYPICAL APPLICATIONS

Isplen[®] PB 141 G2M characteristics performs a grade particularly designed for technical components and containers exposed to heavy loads: heavy duty crates, suitcase shells, professional organizers, automotive components, extra high impact battery boxes and industrial components (sports, leisure, packaging...)

PROPERTIES	METHOD	UNIT	VALUE
Physical			
Melt Flow Rate (230 °C; 2.16 kg)	ISO 1133	g/10 min	3.5
Density	ISO 1183	g/cm ³	0.905
Mechanical			
Flexural Modulus	ISO 178	MPa	1000
Izod Notched Impact Strength (23 °C)	ISO 180	kJ/m ²	22
Izod Unnotched Impact Strength (-20 °C)	ISO 180	kJ/m ²	80
Thermal			
Vicat Softening Point	ISO 75/B	°C	140
Otras			
Shore Hardness	ISO 868	D Scale	60

NB: values shown are averages and should not be taken as product specifications. They are obtained from standard specimens prepared by injection moulding and conditioned according to ISO methods.

Isplen[®] PB 141 G2M complies with the FDA regulations and European Union Directives regarding contact with foodstuffs. Further details can be supplied on request.

STORAGE

Isplen[®] PB 141 G2M should be stored in a dry atmosphere at temperatures below 60 °C, paved, drained and not flooded area and protected from UV radiation. Storage under improper conditions may initiate degradation processes, negatively influencing processability, properties and visual aspect of transformed article.

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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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