

Technical Data Sheet

**REPSOL
YPF**

**ISPLEN®
POLYPROPYLENE**

ISPLEN[®] PB 140 G2M

Isplen[®] PB 140 G2M is a heterophasic copolymer with medium fluidity designed for injection moulding applications where very high impact (even at low temperatures) is necessary combined with good processability. Among other technical advantages, **Isplen[®] PB 140 G2M** offers:

- Production of items exposed to heavy loads that needs high toughness.
- Good flow properties enables to fill complex moulds.

TYPICAL APPLICATIONS

Because the 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.

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	1100
Izod Notched Impact Strength (23 °C)	ISO 180	kJ/m ²	11
Izod Unnotched Impact Strength (-20 °C)	ISO 180	kJ/m ²	60
Thermal			
Vicat softening temperature	ISO 306/A	°C	140
Others			
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 140 G2M complies with the FDA regulations and European Union Directives regarding contact with foodstuffs. Further details can be supplied on request.

STORAGE

Isplen[®] PB 140 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.

Head Offices:
P.º de la Castellana, 280
28046 Madrid
Spain
www.repsolypf.com/quimica
e-mail: quimica@repsolypf.com

TS & Development:
Tel.: +34 - 91 348 86 00
Fax.: +34 - 91 530 45 17
e-mail:
atdquimica@repsolypf.com
Ctra. Nac. V, km 18
28931 Móstoles, Madrid
Spain

Customer Service in Europe:
UK, Ireland, Scandinavia:
France, Benelux:
Germany, Austria, Switzerland:
Italy:
Spain:
Portugal:
Other Countries:
Tel.: 44 - 20 7581 0300
Tel.: 33 (0) 146 965 102
Tel.: 49 - 69 610 93 20
Tel.: 39 - 02 40 933 92 05
Tel.: 34 - 91 348 82 54
Tel.: 800 55 55 11
Tel.: 34 - 91 348 90 84

e-mail:
sac.uk@repsolypf.com
sac.france@repsolypf.com
sac.deutschland@repsolypf.com
sac.italy@repsolypf.com
sac.quimica@repsolypf.com
sac.portugal@repsolypf.com
sac.quimica@repsolypf.com