

**REPSOL
YPF**



**ISPLEN®
POLYPROPYLENE**

ISPLEN[®] PB 190 K2M

Isplen[®] PB 190 K2M is a very high fluidity heterophasic copolymer characterised by its excellent flow properties and good balance of mechanical properties, impact strength and high stiffness. It is particularly suitable for injection moulding applications used in the manufacture of very thin walled articles.

Isplen[®] PB 190 K2M provides a tailored molecular structure allowing to the articles exhibit a low tendency to warp, excellent flow, high dimensional stability and easy demoulding, reaching faster cycle times.

TYPICAL APPLICATIONS

The particular characteristics of **Isplen[®] PB 190 K2M** provides a grade that combines good toughness, excellent processability and dimensional stability. It is widely used in:

- Domestic and leisure furniture.
- Square boxes and round storage containers for consumer appliances.
- Thin-walled containers for exhibiting food products: ice creams, fast food, dairy products...
- Flowerpots, buckets, storage organizers, waste containers, trays...

PROPERTIES	METHOD	UNIT	VALUE
Physical			
Melt Flow Rate (230 °C; 2.16 kg)	ISO 1133	g/10 min	40
Density	ISO 1183	g/cm ³	0.905
Mechanical			
Flexural Modulus	ISO 178	MPa	1350
Izod Notched Impact Strength (23 °C)	ISO 180	kJ/m ²	4
Izod Unnotched Impact Strength (-20 °C)	ISO 180	kJ/m ²	35
Thermal			
Heat Deflection Temperature	ISO 75/B	°C	94
Otras			
Shore Hardness	ISO 868	D Scale	65

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 190 K2M complies with the FDA regulations and European Union Directives regarding contact with foodstuffs. Further details can be supplied on request.

STORAGE

Isplen[®] PB 190 K2M 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.

January 2003

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:
atquimica@repsolypf.com
Ctra. Nac. V, km 18
28931 Móstoles, Madrid
Spain

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

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