

**Chemicals**
**Technical data sheet**

# ISPLEN® PB 190 K2M

ISPLEN® PB 190 K2M is a very high fluidity heterophasic copolymer characterised by its excellent flow properties and a good balance of mechanical properties: good impact strength and high stiffness. It is suitable for injection moulding applications in the manufacture of very thin wall 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 permit the manufacture of articles that combine good toughness, excellent processability and good 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...

Recommended melt temperature range from 190 to 250°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
<b>General</b>			
Melt Flow Rate (230 °C; 2.16 kg)	40	g/10 min	ISO 1133
Density	905	kg/m <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Flexural Modulus	1350	MPa	ISO 178
Charpy Impact Strength Notched 23 °C	4.5	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Heat Deflection Temperature 0.45MPa	94	°C	ISO 75
<b>Others</b>			
Shore Hardness	65	D Scale	ISO 868

ISPLEN® PB 190 K2M 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® PB 190 K2M 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 which may have a negative influence on the processability and the properties of the transformed product.

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