

# ISPLEN® PB 190 K2M

Polypropylene Impact Copolymer  
REPSOL

Message:

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.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Mold Release		
	Good Toughness		
	High Flow		
	High Stiffness		
	Low Warpage		
Uses	Containers		
	Food Containers		
	Furniture		
	Thin-walled Containers		
	Thin-walled Parts		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength (23°C)	4.5	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	94.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 250	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

