

PP REPSOL ISPLEN PB190K2M

REPSOL ISPLEN PB190K2M 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. It provides a tailored molecular structure allowing the articles to exhibit a low tendency to warp, excellent flow, high dimensional stability and easy demoulding, reaching faster cycle times.

Applications

The particular characteristics of REPSOL ISPLEN PB190K2M 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	MÉTHOD
General			
Melt flow rate (230°C/ 2,16 kg)	40	g/10 min	ISO 1133
Density at 23°C	905	kg/m ³	ISO 1183
Mechanical			
Flexural modulus of elasticity	1.350	MPa	ISO 178
Charpy impact strength (23°C, notched)	4,5	kJ/m ²	ISO 179
Thermal			
HDT 0,45 MPa	94	°C	ISO 75
Others			
Shore Hardness	65	-	ISO 868

REPSOL ISPLEN PB190K2M complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.



Storage

REPSOL ISPLEN PB190K2M 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 or undesired migration of additives included in its formulation which may have a negative influence on the processability and properties of the transformed product.

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